UNIVERSITY
COLLEGE
LONDON

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# UNIVERSITY COLLEGE ANNUAL REPORT

1950-1951

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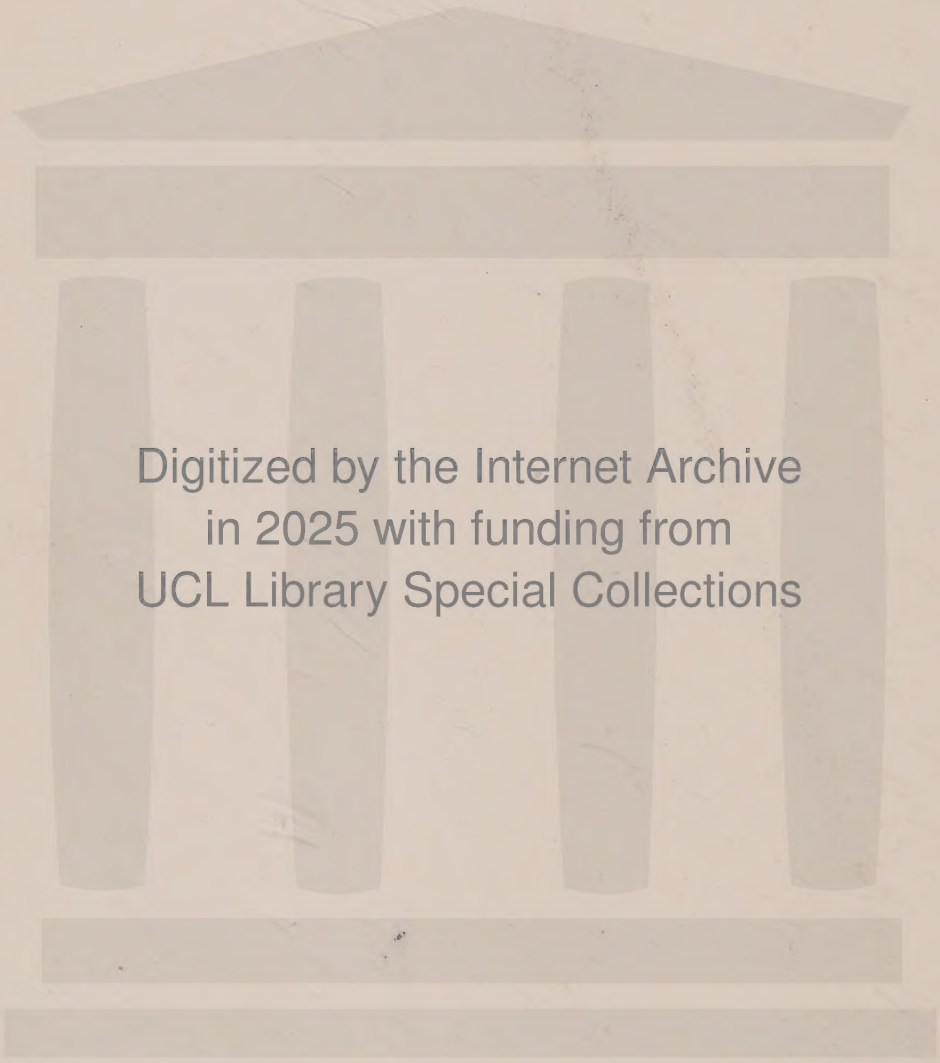

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# COLLEGE COMMITTEE

*Chairman:* THE RT HON. LORD NORMAND, LL.D.

*Vice-Chairman:* Sir ROBERT WALEY COHEN, K.B.E., M.A.‡

*Treasurer:* DAVID HERON, M.A., D.SC.†

ARTHUR BRIAN ASHBY, M.A.

Professor H. E. M. BARLOW, B.SC.(ENG.), PH.D., M.I.E.E., A.M.I.MECH.E.†*

A. DIGBY BESANT, B.A., PAST. PRES.I.A.†

Mrs IRENE CHAPLIN, B.A., J.P.

W. E. DUNCANSON, PH.D., D.SC.

P. DUNSHEATH, C.B.E., M.A., D.SC., D.ENG., M.I.E.E.

Sir ALEXANDER GIBB, G.B.E., C.B., LL.D., F.R.S.†

R. E. GIBBS, D.SC., F.INST.P.

Professor A. V. HILL, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡

Professor S. E. HOLLINGWORTH, M.A., SC.D.§

A. S. HOLNESS, F.I.A.

Sir FREDERICK JAMES, C.B.E.

Professor G. W. KEETON, M.A., LL.D.*

Professor B. J. LLOYD-EVANS, M.SC.(ENG.), PH.D., M.I.MECH.E.§

L. HILARY MACKLIN, O.B.E., M.A.

E. K. MARTIN, M.B., M.S., F.R.C.S.†

Professor J. E. NEALE, M.A., D.LITT., F.B.A.†*

Professor W. H. PEARSALL, D.SC., F.R.S.*

D. R. PYE, C.B., M.A., SC.D., F.R.S. Provost‡

Professor T. B. L. WEBSTER, M.A., F.S.A.§

Miss ETHELDREDA WICKERS, B.A., A.C.P.

Professor G. L. WILLIAMS, M.A., LL.D.§

Professor F. R. WINTON, M.A., M.D., D.SC.

R. MCKINNON WOOD, O.B.E., M.A.

* Membership terminated prior to 30 September 1951 † Fellow of the College
‡ Hon. Fellow of the College § Appointed after 1 October 1950

# PROFESSORIAL BOARD

*Chairman:* D. R. PYE, M.A., SC.D., F.R.S., Provost‡

G. C. ALLEN, M.COM., PH.D. .. .. .. .. .. 1946
A. J. AYER, M.A. .. .. .. .. .. .. .. 1946
ERNEST BALDWIN, PH.D. .. .. .. .. .. .. 1950
H. E. M. BARLOW, B.SC.(ENG.), PH.D., M.I.E.E., A.M.I.MECH.E.† 1945
H. HALE BELLOT, M.A.† .. .. .. .. .. .. 1930
S. T. BINDOFF, M.A. .. .. .. .. .. .. 1949
O. L. BRADY, D.SC., D.I.C., F.R.I.C. .. .. .. .. 1922
F. BRAILSFORD, B.SC.(ENG.), PH.D., M.I.E.E. .. .. .. 1951
G. L. BROWN, C.B.E., M.SC., M.B., CH.B., F.R.S. .. .. .. 1949
J. ČERNÝ, PH.DR. .. .. .. .. .. .. .. 1946
W. M. COLDSTREAM .. .. .. .. .. .. 1949
H. J. COLLINS, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E. .. .. .. .. .. .. 1936
H. O. CORFIATO, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D. .. 1937
H. C. DARBY, O.B.E., M.A., PH.D. .. .. .. .. 1949
H. DAVENPORT, M.A., SC.D., F.R.S. .. .. .. .. 1945
FLORENCE N. DAVID, PH.D. .. .. .. .. .. 1947
H. DINGLE, D.SC., D.I.C., A.R.C.S. .. .. .. .. 1946
W. E. DUNCANSON, PH.D., D.SC. .. .. .. .. 1947
R. C. FITZGERALD, LL.B., F.R.S.A. .. .. .. .. 1949
DARYLL FORDE, PH.D.† .. .. .. .. .. .. 1945
L. W. FORSTER, M.A., DR.PHIL. .. .. .. .. .. 1950
D. B. FRY, PH.D. .. .. .. .. .. .. .. 1948
A. H. GERRARD .. .. .. .. .. .. .. 1947
J. B. S. HALDANE, M.A., D.SC., D. DE L'UNIV., F.R.S. .. .. 1933
A. V. HILL, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡ .. 1923
W. G. HOLFORD, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A. .. .. 1947
S. E. HOLLINGWORTH, M.A., D.SC. .. .. .. .. 1946
E. D. HUGHES, D.SC., PH.D., F.R.I.C., F.R.S. .. .. .. 1948
R. A. HUMPHREYS, O.B.E., M.A., PH.D. .. .. .. .. 1948
C. K. INGOLD, D.SC., F.R.S. .. .. .. .. .. 1930
RAYMOND IRWIN, M.A., F.L.A. .. .. .. .. .. 1945
A. H. M. JONES, M.A., F.B.A. .. .. .. .. .. 1946

G. W. KEETON, M.A., LL.D. .. .. .. .. .. 1938
B. J. LLOYD-EVANS, M.SC.(ENG.), PH.D., M.I.MECH.E. .. .. 1948
J. F. LOCKWOOD, M.A., PH.D. .. .. .. .. .. 1945
KATHLEEN LONSDALE, D.SC., F.R.S. .. .. .. .. 1949
H. S. W. MASSEY, M.SC., PH.D., F.R.S. .. .. .. .. 1939
J. E. NEALE, M.A., D.LITT., F.B.A.† .. .. .. .. 1927
W. H. PEARSALL, D.SC., F.R.S. .. .. .. .. .. 1944
E. S. PEARSON, C.B.E., M.A., D.SC.† .. .. .. .. 1935
L. S. PENROSE, M.A., M.D., M.R.C.S., L.R.C.P. .. .. .. 1945
G. J. RENIER, PH.D., PHIL.LIT.CAND.† .. .. .. .. 1945
C. M. ROBERTSON, M.A. .. .. .. .. .. 1948
R. W. RUSSELL, M.A., PH.D. .. .. .. .. .. 1950
C. J. SISSON, M.A., D.LIT., D.ÈS L. .. .. .. .. 1928
A. H. SMITH, O.B.E., M.A., PH.D., D.LIT. .. .. .. 1949
S. STEIN, PH.D. .. .. .. .. .. .. .. 1948
S. SUGDEN, D.SC., A.R.C.S., F.R.S.¶ .. .. .. .. 1937
H. TERREY, B.SC. .. .. .. .. .. .. .. 1928
E. H. THOMPSON, O.B.E., B.A. .. .. .. .. .. 1951
E. G. TURNER, M.A. .. .. .. .. .. .. 1950
D. M. S. WATSON, D.SC., LL.D., F.R.S.‡.. .. .. .. 1921
H. E. WATSON, D.SC., F.R.I.C., M.I.CHEM.E.† .. .. .. 1934
T. B. L. WEBSTER, M.A., F.S.A. .. .. .. .. .. 1948
R. WEISS, B.A. .. .. .. .. .. .. .. 1946
ELIZABETH M. WILKINSON, PH.D. .. .. .. .. 1950
JOHN WILKS, M.A., F.L.A.† .. .. .. .. .. 1926
G. L. WILLIAMS, M.A., LL.D. .. .. .. .. .. 1950
F. R. WINTON, M.A., M.D., D.SC. .. .. .. .. 1938
R. WITTKOWER, PH.D. .. .. .. .. .. .. 1949
B. WOLEDGE, M.A., D.DE L'UNIV... .. .. .. .. 1939
D. O. WOOD, M.SC., A.R.C.S., F.INST.P. .. .. .. 1932
T. L. WREN, M.A. .. .. .. .. .. .. 1922
J. Z. YOUNG, M.A., F.R.S... .. .. .. .. .. 1945

The Sub-Deans of the Faculties:

| | | |
|---|---|---|
| *Arts:* | R. D. McLELLAN, PH.D. . . . . | 1945 |
| *Laws:* | O. R. MARSHALL, M.A., PH.D. . . . . | 1949 |
| *Engineering:* | H. MARRIOTT, B.ENG., B.SC.(ECON.), A.M.I.E.E. . . | 1945 |
| *Medical Sciences:* | J. T. AITKEN, M.D. . . . . | 1946 |

The Tutor to Women Students: DIANA LEWTON BRAIN, B.A. . . 1950

† Fellow of the College

‡ Hon. Fellow of the College

The years given in the case of Professors are those in which they were appointed to their respective Professorships: in the case of others, the years are those in which they were first appointed members of the Professorial Board

¶ Died on 20 October 1950

# OFFICERS OF THE FACULTIES

## FACULTY OF ARTS

| | |
|---|---|
| *Dean* | Professor A. J. AYER, M.A. |
| *Vice-Dean* | Professor G. J. RENIER, PH.D., PHIL.LIT.CAND. |
| *Sub-Dean* | R. D. MCLELLAN, PH.D. |

## FACULTY OF LAWS

| | |
|---|---|
| *Dean* | Professor G. W. KEETON, M.A., LL.D. |
| *Vice-Dean* | G. SCHWARZENBERGER, PH.D., DR.JUR. |
| *Sub-Dean* | O. R. MARSHALL, M.A., PH.D. |

## FACULTY OF SCIENCE

| | |
|---|---|
| *Dean* | Professor S. E. HOLLINGWORTH, M.A., D.SC. |
| *Vice-Dean* | Professor H. DAVENPORT, M.A., SC.D., F.R.S. |
| *Sub-Dean* | D. O. WOOD, M.SC., A.R.C.S., F.INST.P. |

## FACULTY OF ENGINEERING

| | |
|---|---|
| *Dean* | Professor H. E. M. BARLOW, B.SC.(ENG.), PH.D., M.I.E.E., A.M.I.MECH.E. |
| *Vice-Dean* | Professor B. J. LLOYD-EVANS, M.SC.(ENG.), PH.D., M.I.MECH.E. |
| *Sub-Dean* | H. MARRIOTT, B.ENG., B.SC.(ECON.), A.M.I.E.E. |

## FACULTY OF MEDICAL SCIENCES

| | |
|---|---|
| *Dean* | Professor J. Z. YOUNG, M.A., F.R.S. |
| *Vice-Dean* | Professor F. R. WINTON, M.A., M.D., D.SC. |
| *Sub-Dean* | J. T. AITKEN, M.D. |

# TUTORS

*Senior Tutor:* D. O. Wood, M.SC., A.R.C.S., F.INST.P.
*Tutor to Women Students:* Diana Lewton Brain, B.A.

FACULTY TUTORS

| | |
|---|---|
| *Tutor to Arts Students* | R. D. McLellan, PH.D. |
| *Tutor to Laws Students* | O. R. Marshall, M.A., PH.D. |
| *Tutor to Science Students* | D. O. Wood, M.SC., A.R.C.S., F.INST.P. |
| *Tutor to Engineering Students* | H. Marriott, B.ENG., B.SC.(ECON.), A.M.I.E.E. |
| *Tutor to Medical Students* | J. T. Aitken, M.D. |

DEPARTMENTAL TUTORS

| | |
|---|---|
| *Architecture* | L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. |
| *Economics* | A. W. Stonier, M.A., D.PHIL. |
| *Librarianship and Archives* | Raymond Irwin, M.A., F.L.A. |

ASSISTANT TUTORS

| | |
|---|---|
| *Chemistry* | H. Terrey, B.SC. |
| *English* | H. Winifred Husbands, M.A. |
| *French* | Dora Starke, M.A. |
| *Geography* | A. E. Smailes, M.A. |
| *History* | R. H. C. Davis, M.A. |
| *Adviser to Postgraduate Students* | T. J. B. Spencer, B.A. |
| *Supervisor of Dental Students* | R. D. Harkness, B.SC., M.B., B.S., M.R.C.S., L.R.C.P. |

# LIBRARY STAFF

*Librarian:* John Wilks, M.A., F.L.A., Fellow of the College
*Deputy Librarian:* Kenneth Garside, M.A.

# ADMINISTRATIVE STAFF

*Provost:* D. R. Pye, M.A., SC.D., F.R.S., Honorary Fellow of the College

*Secretary:* E. A. L. Gueterbock, M.A.

*Assistant Secretary:* Winifred Radley

*Accountant:* H. W. Claxton, O.B.E., A.C.A.

*Registrar:* H. E. Foster, M.A., F.Z.S.

*Bursar:* E. H. Swain, A.R.I.C.S.

*Superintendent of Records:* O. V. Lawley

*Superintendent of Works:* C. V. Seagrim, O.B.E., B.A., A.M.I.E.E., A.I.MECH.E.

*Establishment Officer:* H. C. C. Monahan, M.C., B.A.

*Deputy Accountant:* G. N. White, A.C.A.

*Assistant Accountant:* F. H. J. Davidson

*Maintenance Officer:* A. W. Woolven

*Deputy Registrars:* Nancie L. Pank
Margaret R. Melrose, M.A.

*Cashier:* J. H. Nicholls

*Publications Officer:* L. J. Gue

*Chief Clerk:* R. L. Gregory

*Domestic Superintendent:* Edith M. Baker

*Alumnus Secretary:* Millicent M. Oldham

*Private Secretary to the Provost:* Betty M. Baker, B.A.

*Refectory—Catering Manager's Steward:* P. G. Noller

*Nurse:* Dorothy Bowden, S.R.N.*
Charlotte B. Cousins, S.R.N.§

*Honorary Sanitary Adviser:*
M. E. Delafield, M.C., M.B., B.CH., D.P.H.

*Auditors:* Messrs Price Waterhouse & Co.

* Resigned appointment prior to 30 September 1951
§ Appointed after 1 October 1950

## CHANGES IN THE COLLEGE COMMITTEE

In March 1951 Professor Webster, Professor Williams, Professor Hollingworth and Professor Lloyd-Evans succeeded Professor Neale, Professor Keeton, Professor Pearsall and Professor Barlow respectively as representatives of the Professorial Board on the College Committee.

Mr Digby Besant resigned his membership of the Committee at the end of the session. His association with the College dates back to 1887 when he became a student. He had been a member of the College Committee for thirty-five years and had served the College in various capacities, notably as Treasurer and Joint Treasurer, Chairman of the Finance Sub-Committee, and Vice-Chairman of the Managing Sub-Committee. The College Committee will miss his wise counsel, and has recorded its appreciation of Mr Besant's long and devoted service to the College.

## CHANGES IN THE PROFESSORIAL BOARD

The new professors who became members of the Board during the session were Professor Brailsford, Professor Forster, Professor Russell, Professor Thompson and Professor Williams, on their appointment to Chairs, and Professor Turner on whom the title of Professor of Papyrology was conferred in October 1950.

The six members of the non-professorial staff appointed to membership of the Board under Statute 24 (v) for the session were Mr Bindoff, Dr Florence David, Dr Duncanson, Mr FitzGerald, Mr Terrey and Dr Elizabeth Wilkinson.

## THE PROVOST

### RETIREMENT OF DR D. R. PYE

David Randall Pye retired from the office of Provost on 30 September 1951. Professor D. M. S. Watson writes about him:

Dr Pye was Provost of University College for only some eight years, but in that time he had the occasion to do for the College as much as any one man has done.

He came to us from a position of very great responsibility. He was an engineer, with the experience of teaching at both Oxford and Cambridge, and as Director of Scientific Research in the Air Ministry, had done much to make British aeroplane engines the best in the world.

In 1943 he came to the College knowing little about its history, traditions, and qualities, but he came as a scientific man of distinction who had an interest in and a knowledge of literature and of music, as a trained administrator on a great scale, and as a judge of men.

Dr Pye's first work was to reunite the College in London. On his visits to the scattered fragments of it, staff and students alike were impressed with his kindliness and his personality. At Bangor he showed to the young mountaineering students how rock climbing should really be done!

So in 1944, Dr Pye was faced with the problem of packing a College reduced in numbers, but still large, into buildings little more than half the size of those it had previously filled. He solved this difficulty by the subdivision of the west side of Foster Court and by the erection of temporary huts. At the same time he set in train a discussion of building plans for the future. But this made him aware of the extreme restriction of the College site and Dr Pye urged negotiations which ultimately led to the purchase of the peripheral areas of the College rectangle, which was the largest increase in area the College had made since the original purchase in 1826.

Meanwhile undergraduate students, many of them ex-service men and women of mature mind and experience of the world, came in rapidly increasing numbers, all to be provided not only with space to work (and to eat) but with tuition.

In consequence the teaching staff grew very rapidly also. During the war many chairs had fallen vacant. Dr Pye devoted unending patience to the search for suitable men at home and abroad to fill these chairs, and under his guidance thirty-three of them have been filled; and it seems evident that the high quality of the professoriate has never been more uniform in the long and glorious history of the College.

Thus Dr Pye has re-made the College, if not entirely to the old pattern, at least so that what was good in its past lives on, transmuted to fit the conditions which exist after the social revolution the country has experienced.

The following resolution was adopted by the College Committee at their meeting on 26 June 1951:

Before the close of this, the last meeting of the College Committee to be held before the retirement of Dr Pye, the Committee would wish to express their deep sense of gratitude—which it would be difficult, if not impossible, to exaggerate—for the immense services Dr Pye has rendered to the College throughout an extremely difficult period. This Committee feels a very great sense of sorrow and of loss at Dr Pye's period of appointment having come to an end. Deep appreciation is felt, also, of Mrs Pye for the active part she has played in the life of the College. The Committee wish Dr and Mrs Pye very many happy years of retirement, during which it is hoped they will visit the College as often as they may find possible, and thus give their former colleagues the opportunity and pleasure of frequent meetings with them.

## APPOINTMENT OF DR B. IFOR EVANS

Dr B. Ifor Evans, M.A., D.Lit., has been appointed Provost of the College in succession to Dr Pye, and took up his full duties on 1 October 1951.

He was a distinguished student of the College, and his first appointment was lecturer in English Literature at the University of Manchester. At the age of twenty-five he became Professor at Southampton, and subsequently held chairs at Sheffield University and Queen Mary College, London, where he was elected Principal in 1944. He has publications of considerable importance in the field of English literature. During the War he was Educational Director of the British Council and he is at present Vice-Chairman of the Arts Council.

He comes back to the college from which he graduated, and finds it greatly enlarged and faced with the problems set by destruction as well as expansion. Much has been achieved during the past eight years, but much has still to be done, and the new Provost has arduous years of reconstruction and reorganization ahead. His personality and artistic taste, and his proved capacity as an administrator, fit him for a task in which he will have the goodwill and support of every member of the College.

# FINANCE

## FINANCIAL YEAR 1950–51

The audited accounts of the College for the year ended 31 July 1951 are given in Appendix IV, page 88.

### INCOME AND EXPENDITURE ACCOUNT

The Income and Expenditure Account shows a surplus of £1,563, as compared with a deficit of £4,940 in the previous year.

The total income of £763,328 exceeded that of the previous year by £74,034. This was mainly due to the increases in the Recurrent Grants allocated by the Court of the University, as follows:

| | *1949–50* | *1950–51* | *Increases* |
|---|---|---|---|
| | £ | £ | £ |
| For General Purposes .. .. .. | 374,427 | 400,427 | 26,000 |
| For Medical Education .. .. .. | 75,573 | 85,573 | 10,000 |
| For Development of Social Sciences .. | 9,100 | 12,000 | 2,900 |
| For Supplementation of Salaries .. | 66,742 | 85,016 | 18,274 |
| | £525,842 | £583,016 | £57,174 |

In addition a sum of £10,000 was received from war damage compensation for chattels destroyed, and fees were increased by £4,000 as compared with the previous year.

The total expenditure of £761,766 showed an increase of £67,532 which was the result of general increases in the cost of services, but included also the cost of certain new appointments, normal increments of salaries, and the introduction of a revised wages scale for technicians.

### APPROPRIATION ACCOUNT

This account, in which the three sections of the activities of the College for which recurrent grants are received are shown separately, gives the balances brought forward from the previous year, the financial results of the year 1950–51, and the balances carried forward to the Balance Sheet at 31 July 1951.

### REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, upon the provision of temporary accommodation and of certain new buildings, and of their equipment.

The various projects are financed mainly by special capital grants from the University Grants Committee, and by war damage payments, but the balance has to be found from College sources.

In this account the payments of £955,000 for the ten years up to 31 July 1951 exceeded the receipts of £782,183 up to the same date by £172,817, which related to expenditure upon:

| | £ |
|---|---|
| Projects for which capital grants have been approved but not received at 31 July 1951 | 107,668 |
| Apparatus for which capital grants have been approved but not received at 31 July 1951 | 2,621 |
| Projects in anticipation of capital grants | 38,712 |
| Preparation of plans for College reconstruction, chargeable to individual projects later | 10,104 |
| Preparation of plans for College development | 7,986 |
| War Damage repairs for which compensation will be paid | 4,609 |
| Projects to be financed from College funds | 1,117 |
| | £172,817 |

Against this figure an amount of £108,132 in respect of capital grants announced late in the financial year 1950–51 was received in 1951–52.

## CAPITAL GRANTS

Capital Grants approved by the University Grants Committee for the year 1950–51 were as follows:

| *Acquisition of Land and Properties* | £ |
|---|---|
| Purchase of 4 & 5 Hertford Place | 675 |
| Legal and professional charges—Gordon Square properties | 4,500 |
| | (5,175) |
| *Temporary or Emergency Measures* | |
| Junior Chemistry Laboratory | 5,210 |
| Demolition of part of Refectory Huts | 1,500 |
| Reconstruction of 24–26 Gordon Square | 4,070 |
| Temporary Accommodation for Administrative Staff | 4,000 |
| Demolition and fencing—115–117 Whitfield Street | 175 |
| Fittings and equipment of converted Gower Street houses | 3,000 |
| Architects' fees for preliminary plans | 3,800 |
| | (21,755) |
| *New Construction and Equipment* | |
| Electrical Reorganization—Anatomy, Chemistry, and North Wing | 75,000 |
| Reinstatement—Physics Department beneath Library | 2,210 |
| Reconstruction and furniture—General Library | 11,925 |
| New Physics Building | 50,000 |
| Chemistry Fume Extraction | 3,740 |
| Chemistry Area Vaults | 7,602 |
| Reconstruction of Main Building | 110,402 |

| | |
|---|---|
| Equipment and furniture—North and South Junctions .. .. | 22,000 |
| Electrical fittings—Main Building .. .. .. .. .. | 3,500 |
| New equipment for Departments .. .. .. .. .. | 26,650 |
| Equipment and furniture—31–43 Cartwright Gardens .. .. | 7,000 |
| Equipment—Upper Refectory servery .. .. .. .. | 700 |
| Equipment, fittings, and furniture—Foster Court .. .. .. | 9,000 |
| Carpets, floor coverings, and repairs .. .. .. .. | 12,000 |
| Furniture for new staff.. .. .. .. .. .. .. | 4,000 |
| Furniture for Students' Union .. .. .. .. .. | 1,500 |
| | (347,229) |
| | £374,159 |

### BALANCE SHEET

Features of special interest were:

*Liabilities*

The College General Capital Account was increased by Grants totalling £25,450 received from the Treasury to finance the purchase of 31–43 Cartwright Gardens (Bentham Hall) and of a building site in Whitfield Street for the development of the College's hostel programme.

*Assets*

The value of the College Freehold Land, Buildings, etc., was written down by £18,976, the amount of compensation of war damage received in respect of the "Hawarden Castle" and the Gordon Street Frontage which were destroyed by enemy action.

## SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £7,920 3*s.* 7*d.* in 1950–51. Awards were made as under:

| | *Undergraduate* | | | *Postgraduate* | | |
|---|---|---|---|---|---|---|
| | £ | *s.* | *d.* | £ | *s.* | *d.* |
| From Endowments .. .. .. .. | 2,325 | 2 | 9 | 1,143 | 6 | 8 |
| ,, Donations and Subscriptions .. .. | 59 | 6 | 0 | 1,530 | 12 | 7 |
| .. General Income .. .. .. .. | 1,318 | 12 | 1 | 1,318 | 0 | 6 |
| ,, ,, ,, (Exhibition Bursaries and special fee remissions) | 225 | 3 | 0 | — | | |
| | £3,928 | 3 | 10 | £3,991 | 19 | 9 |

## LOANS TO STUDENTS

There are four funds (the College Loan Fund, the Rouse Ball Loan Fund, the Madeleine Cole Loan Fund, and the M. J. M. Hill Loan Fund) from which loans are made to students on the following terms:

(*a*) Loans during a student's career in the College do not carry interest.
(*b*) After the end of a student's career in the College, the loans carry interest at the rate of 5 per cent except that loans from the W. W. Rouse Ball Loan Fund are free of interest.
(*c*) Loans are repayable within three years from the completion of a student's college career, unless, on the special application of the student concerned, an extension of time is granted.
(*d*) Students to whom loans are granted sign a document accepting these conditions, and in the case of students under age their parents or guardians countersign the same undertaking.

The operation of these funds during 1950–51 is shown in the following statement:

| | *College* | *Rouse Ball* | *Madeleine Cole* | *M. J. M. Hill* |
|---|---|---|---|---|
| | £ | £ | £ | £ |
| Balances at 31 July 1950 .. .. | 717 | 518 | 263 | 339 |
| *Add:* Loans repaid .. .. .. | 135 | — | — | 20 |
| Interest on Loans .. .. | 27 | — | — | 2 |
| Donations .. .. .. | 17 | — | — | — |
| Deposit Interest .. .. | — | 16 | 8 | 10 |
| | 896 | 534 | 271 | 371 |
| *Less:* Loans granted .. .. .. | 281 | — | — | — |
| Balances at 31 July 1951 .. .. | £615 | £534 | £271 | £371 |
| Loans outstanding at 31 July 1951 .. | £1,247 | £16 | £117 | £40 |

## THE CRABB ROBINSON FUND

This is a Trust Fund from which annual grants may be made to further the social and athletic life of the students.

The following grants were made in 1950–51:

| | £ |
|---|---|
| The Union, towards the cost of a new racing-shell eight .. .. .. | 150 |
| Students' Hostel at 93–97 Gower Street, for amenities .. .. .. | 20 |
| Slade Students' Hostel at 28–29 Cartwright Gardens, for amenities .. | 10 |
| College Hall, for amenities .. .. .. .. .. .. .. | 15 |
| Bentham Hall, for amenities .. .. .. .. .. .. .. | 10 |
| | £205 |

The invested capital of the Fund is approximately £5,971 which yields an annual income of approximately £180.

## THE PEEL FUND

The Fund was created by Sir Robert Peel in 1855 with the object of providing books for working-class readers. The capital of the Fund is £2,073 which produces an income of approximately £55 10*s.* 0*d.* per annum.

No grants were made in the Session 1950–51, and the income of the Fund, £55 7*s.* 7*d.*, was handed over to the National Central Library in accordance with the recommendation of the Peel Committee.

# BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Messrs Agar, Cross & Co. Ltd; Shell-Mex (South America) Ltd; Harrods (B.A.) Ltd; Lever Bros. & Unilever Ltd; Bovril Ltd; Wilson Sons & Co. Ltd; Bank of London and South America.

Donations to the Latin-American History Fund for the purchase of books.

Professor H. Hale Bellot

A gift of £100 to the American History Fund, £50 of which is to be placed at the disposal of the Institute of Historical Research and £50 given to the University College Library account.

Mr C. G. Dobson of Messrs Hall & Co. Ltd

A gift to the Bartlett School of Architecture of 600 slides dealing mainly with ancient churches and mediaeval architecture.

Miss L. M. Eyre

The gift of a Burmese silver centrepiece to the Provost and Fellows of the College.

Mr and Mrs L. Hounsfield

A gift of approximately £1,250 to found annual awards in Traffic Engineering in memory of their son, the late Mr R. B. Hounsfield.

Sir Hilary Jenkinson

The copyright of his *Manual of Archive Administration*.

Miss Kathleen Lea

A gift of £100 for the Chambers Research Fund.

Major J. G. B. Lethbridge-Galton

The medals awarded for Science to his great-uncle, the late Sir Francis Galton, who founded and endowed the Galton Laboratory of Eugenics at the College.

Nuffield Foundation

(*a*) A grant of £4,950 over three years towards the cost of an investigation in the Department of Physiology of proliferation and morphogenesis in the adult.

(*b*) A grant of £3,250 over five years towards the cost of an investigation in the Department of Embryology of the embryonic brain.

(*c*) A grant of £2,000 a year for two years for research in the Town Planning Department on the Social Aspect of Planning Surveys and Analysis.

ROCKEFELLER FOUNDATION

(*a*) A grant providing up to $28,500 for the five-year period beginning 1 January 1951, to the Galton Laboratory.

(*b*) A grant of $2,500 to be used towards the purchase of equipment and research in mammalian genetics.

(*c*) A grant of £1,600 towards the cost of two years' research to be carried out in the Department of Town Planning on the Social Aspect of Planning Surveys and Analysis.

SHELL PETROLEUM CO. LTD

A grant of £100 for geological field work.

SUDAN GOVERNMENT

Protodynastic pots for the Department of Egyptology.

SWEDISH GOVERNMENT

A gift of books on Swedish History and Economics to the value of three thousand kroner for the reconstruction of the Swedish section of the Library.

## COLLEGE SITES AND BUILDINGS

The restoration of the Main Building, which is being carried out under the direction of Professor Richardson, is nearing completion. The General Library, the Upper Refectory, and all the accommodation south of the Dome were occupied during the session. The Students' Union is occupying part of the basement as offices and as a lounge for the Engineering Society, the remainder being storerooms and lavatory accommodation. On the ground floor are the Committee and Council Rooms and accommodation used by the Departments of Geology and Psychology and the Accounts Department. The Accountant's offices were unfortunately damaged by fire during the year. The first floor is used partly as library offices and the remainder will be used for reading rooms and for other Library purposes when the bookcases and other furniture are installed. The second floor is occupied by members of the Faculty of Arts.

The accommodation north of the Dome will be occupied at the beginning of the session 1951–52. On the ground floor will be the Women Staff Common Room, the Joint Staff Common Room and the Postgraduate Common Room. The first floor will be occupied by the Library. The east side of the top floor will be occupied by the French Department and the west side as a bookstack for the Library.

The construction of the North Junction is proceeding. It will house the Men's Staff Common Room on the ground floor and the Science Library above. The buildings on the site of the South Junction were demolished and the erection of the new structure will commence shortly.

Work began in June 1951 on the construction of the first stage of the new Physics Building, which will run eastwards from the North Junction.

In the Chemistry Department, the installation of a new fume extraction plant was completed.

A new hut on the Gordon Street side of the College was occupied by the Department of Botany as a laboratory at the beginning of the session.

The first floor of a building near Foster Court was reconstructed to form a museum for the display of the Flinders Petrie collection of Egyptian antiquities, and a new electricity sub-station was constructed on the ground floor of these premises.

The tenants who occupied the basement and ground floor of the building known as Ford's Warehouse in Malet Place vacated the premises at Christmas 1950. Structural alterations were undertaken to provide lecture rooms for the Department of Geography and the Faculty of Arts on the ground floor.

In July 1951 the construction of a new top storey on the Department of Anatomy was commenced. The work is being done under the direction of Professor Corfiato.

The rewiring and reorganization of the College electricity services continued and the final stage of the scheme for the rewiring of Chemistry and the whole of the Anatomy Building was completed.

Vacant possession of several suites of rooms in the Gower Street houses was obtained during the session. They were occupied by the Departments of Town Planning, Scandinavian Studies, and Anthropology, the Psychology Child Welfare Clinic and as Research Rooms.

The Student Health Association which had been occupying accommodation in Nos. 17 and 19 Gordon Street was concentrated in No. 17 Gordon Street. This move gave the Association increased floor space.

## WAR MEMORIAL

The Roll of Honour has been put into the hands of the artist, Miss Rosemary Ratcliffe; and, when she has completed the inscription of the Memorial Volume, it will be bound by Mr Sydney M. Cockerell.

In order to avoid undue handling of the Roll of Honour by visitors wishing to trace entries in it, it is proposed that two copies shall be reproduced by photographing the original script. These will be kept in the Library for reference purposes. Arrangements for a dedication ceremony will be made when the Roll is finished.

On the recommendation of the War Memorial Committee it has been decided that one copy of the two volumes of the 1914–19 War Memorial Album shall be rebound by Mr Cockerell to match the 1939–45 Roll of Honour, in order that they may be placed together as companion volumes. Of the two specially bound volumes of the 1914–19 War Memorial Album, which were kept on permanent exhibition in the south cloisters, only one remains. The other presumably was destroyed during the 1939–45 war. The photographs of members of the College and Medical School who lost their lives in the first World War, which were salvaged from the south cloisters in 1940, have been taken from their frames and deposited in the College archives.

# OBITUARY

## PROFESSOR EMERITUS HAROLD EDGEWORTH BUTLER

Professor H. E. Butler, who died on 5 June 1951, succeeded A. E. Housman in the Chair of Latin in 1911. He held the Chair for thirty-two years until his retirement in 1943. During this period he won distinction in the world of classical scholarship for his work on Propertius, Quintilian, and Apuleius. His later years were devoted to mediaeval Latin and he produced notable volumes on Gerald of Barry and Jocelyn of Brakelond. Always active in the administrative concerns of the College and of the University, he was a member of a famous triumvirate which ruled the College in 1925, in the absence of the Provost, the late Sir Gregory Foster, and from 1940 to 1943 he was Pro-Provost at Aberystwyth. For many years he was Public Orator of the University. Many generations of students remember him with affection and gratitude.

## PROFESSOR EMERITUS FRANCIS WALL OLIVER

The death of Professor Oliver on 14 September 1951 at the age of eighty-seven removes from our midst one who for a period of forty-one years was a valued member of the academic staff of University

College, and during no less than thirty-nine of these he occupied the Quain Chair of Botany. During this period he became respected by and endeared to all those with whom he came in contact.

Professor Oliver first came to the College as a lecturer in succession to his father, Daniel Oliver, at the very early age of twenty-four, becoming Quain Professor two years later. Largely through the influence of D. H. Scott, the palaeobotanist, he became interested in fossil plants and this led to his classical researches on the seeds of the carboniferous epoch, and his recognition of these as the fructifications of the fern-like plants to which group the term Pteridosperms was in consequence given.

His other outstanding achievement was in the field of maritime ecology where he was responsible for establishing the dynamic approach to the study of plant communities.

Professor Oliver's personality will be chiefly remembered for his boyish outlook on life that involved a capacity for the keenest enjoyment even of what to others might be the shortcomings of his immediate environment. This had its full play in the delightful field excursions he organized to Brittany and later to Blakeney Point.

During his tenure of the Quain Chair, the Botany Department grew greatly both in size and prestige, which led to its being rehoused in its present quarters. This transfer provided an occasion for a spontaneous tribute from his former pupils and colleagues, and the Oliver Bursary is a permanent memorial to the affection and regard in which he was held.

## PROFESSOR SAMUEL SUGDEN

To the deep regret of his colleagues, Professor Samuel Sugden died in office on 20 October 1950. He had served the College as Professor of Chemistry since his appointment in succession to Professor F. G. Donnan, in 1937, except during 1939–45 when he worked in the Ministry of Supply.

Prior to 1937, Professor Sugden was Professor of Chemistry at Birkbeck College, which he had served successively as Lecturer, Reader, and Professor, since demobilization after the 1914–18 war. At Birkbeck College he had built up a strong school of physical chemistry, so that he was already an outstanding authority in this field when he moved to University College. In this College he was quickly surrounded by a following of eager research workers, who did not fail to catch his enthusiasm and react to his inspiration. The recent war took serious toll of his health, but when the College

reassembled in 1945, he rapidly became the centre of a new research group with the old lively spirit.

The College Committee also records with deep regret the death of the following persons connected with the College or with its work:

Mrs Barbara Ayrton Gould, formerly Chairman of the Labour Party, Labour M.P. for Hendon North, 1945–50; student, Faculty of Science, 1904–08. (15 October 1950)

Miss E. Beatrice Bland, Artist; student, Slade School, 1892–94. (20 January 1951)

Mr L. G. Bowman, prominent member of Jewish educational and employment committees; student, Faculty of Arts, 1890–95. (21 November 1950)

Dr L. J. Comrie, authority on Mathematical Computation; student, Faculty of Science, 1918–19 and 1936–37. (11 December 1950)

Mr R. T. Cornish; Lecturer, Department of Geography. (20 March 1951)

Sir Augustus Moore Daniel, former Director of the National Gallery; member and sometime Chairman of the Slade Sub-Committee. (7 November 1950)

Lieut.-Col. Philip Claude Tresilian Davy, late R.A.M.C.; student, Faculty of Medical Sciences, 1897–1903. (25 September 1951)

Mrs Florence Engelback, Artist; student, Slade School, 1888–89. (27 January 1951)

Dr Asher Feldman, prominent Jewish educationalist; student, Faculty of Arts, 1891–95. (13 December 1950)

Sir Charles Findlay, formerly of the Indian Civil Service and later Reader in English Law, University of Edinburgh; student, Faculty of Arts, 1897–98. (22 July 1951)

Professor Lyndhurst Falkiner Giblin, Professor of Economics, Melbourne University; student, Faculty of Arts, 1890–93. (2 March 1951)

Dr Edward Greenly, a leading authority on the geology of North Wales: student, Faculty of Science, 1887–88. (4 March 1951)

Sir Sidney Frederic Harmer, formerly Director, Natural History Museum, sometime President of the Linnean Society; Fellow of the College since 1884. (22 October 1950)

Mr E. B. Hicks: Finance Secretary and Accountant, 1915–29. (18 June 1951)

Mr H. J. Hines, Principal, City of Worcester Training College; Research Student, Department of Psychology, 1932–35. (10 December 1950)

Sir FRANK LINDLEY, formerly Comptroller-General of Patents, Design and Trade Marks at the Board of Trade; student, Faculty of Science, 1904–05, Faculty of Laws, 1908–14. (15 August 1951)

Dr EDWARD MALLETT, Principal of Woolwich Polytechnic; Fellow of the College. (10 December 1950)

Dr E. P. METCALFE, sometime Vice-Chancellor, Mysore University; Fellow of the College. (29 March 1951)

Mr W. H. E. NEIL; Demonstrator, Department of Civil and Municipal Engineering. (9 May 1951)

Dr SIDNEY PHILLIPS, formerly Treasurer of the Royal College of Physicians; student, Faculty of Medical Sciences, 1871–80. (19 January 1951)

Mr F. J. PITTOCK; Supervisory Technician, Department of Anatomy, member of the technician staff since 1907. (19 August 1951)

Mr BERTRAM PRIESTMAN, landscape painter; student, Slade School, 1887–89. (19 March 1951)

Mr ALFRED JULIUS SINGTON, formerly H.M. Consul, Bratislava; student, Faculty of Arts, 1910–13, Journalism, 1924–25. (13 August 1951)

Dame ETHEL WALKER, Artist; student, Slade School, 1892–96, 1912–13, 1916–17, 1921–22. (2 March 1951)

Mr GEORGE UDNY YULE; Fellow of the College. (26 June 1951)

## HONOURS AND APPOINTMENTS

The following are among the honours and appointments of which information has been received.

### NEW YEAR HONOURS 1951

| | |
|---|---|
| C.H. | The Rt Hon. Sir Stafford Cripps (Fellow) |
| G.C.B. | Sir Godfrey Ince, Permanent Secretary, Ministry of Labour (Fellow) |
| K.C.V.O. | Dr Francis Hugo Teale (Fellow) |
| C.M.G. | Mr Harold James Page, Principal, Imperial College of Tropical Agriculture, Trinidad (Fellow) |
| | Mr Reginald William Taylor, Director of Public Works, Nigeria (Former Student) |
| C.B.E. | Mr Philip Bruton James, Art Director, Arts Council (Former Student) |
| | Mr Lionel Roy McColvin, Librarian, City of Westminster, and Hon. Secretary, Library Association (Former Student and Member of the School of Librarianship and Archives Committee) |

| | |
|---|---|
| | Mr Reginald John Samuel, Deputy Chief Engineer, Roads Department, Ministry of Transport (Former Student) |
| O.B.E. | Mr Alan Garnet Bonny, Chief Engineer, Technical Training Command, Air Ministry (Former Student) |
| | Mr Alfred Ernest Evans, Secretary, Association of Teachers in Technical Institutions (Former Student) |
| | Mr Howard Nobbs, Principal, Queen's College, British Guiana (Former Student) |
| | Mr Alfred Julius Sington, H.M. Consul at Bratislava (Former Student) |
| M.V.O. | Mr Robert Lindsay (Former Student) |
| M.B.E. | Mr Ernest Lyon Bowley, lately Commandant, National Savings Committee (Former Student) |

## KING'S BIRTHDAY HONOURS 1951

| | |
|---|---|
| D.B.E. | Professor Lillian M. Penson (Fellow) |
| KNIGHTS BACHELOR | Mr Albert Cecil Dawes, Legal Adviser, Ministry of Education (Former Student) |
| | Professor Emeritus C. A. Lovatt Evans (Fellow) |
| | Professor E. K. Rideal, Professor of Physical Chemistry, King's College, London (Former Research Student) |
| C.M.G. | Mr John Walker, Counsellor (Commercial), H.M. Embassy, Teheran (Former Student) |
| C.B.E. | Air Vice-Marshal William Edwards Barnes (Former Student) |
| | Professor Austin Bradford Hill, Consultant in Medical Statistics, R.A.F. (Former Student) |
| | Mr Herbert Twinch, lately Chief Livestock Husbandry Officer in National Agricultural Advisory Service (Former Student) |
| O.B.E. | Mr Frederick Eutrope Degazon, Commissioner for Reconstruction, St Lucia (Former Student) |
| | Mr Colin Alfred Meek, Principal Scientific Officer, Ministry of Supply (Former Student) |
| | Mr Roy Edgardo Parry, lately Director of Education, North Borneo (Former Student) |
| | Lieut.-Col. Paul Hubert Devas Dessain, The Green Howards (Former Student) |

## OTHER HONOURS AND APPOINTMENTS

| | |
|---|---|
| Allen, Professor G. C. | Part-time Member, Monopolies and Restrictive Practices Commission |
| Ascher, Mr C. (Student) | Cecil Peace Prize for 1950 |
| Asafu-Adjaye, Mr E. O. (Former Student) | Member, Executive Council of the Gold Coast Cabinet (representing the Ashanti Council of Chiefs) |
| Ballantyne, Dr A. M. | Secretary, Royal Aeronautical Society |

| | |
|---|---|
| Barnes, Air Vice-Marshal W. E. (Former Student) | Honorary Surgeon to the King |
| Bates, Mr D. R. | Professor of Applied Mathematics, Queen's University, Belfast |
| Bellot, Professor H. H. | Vice-Chancellor, University of London, from 1 September 1951 |
| Bicknell, Miss Beroë A. (Former Student) | Additional Member, General Council of the Bar |
| Bindoff, Mr S. T. | Professor of History, Queen Mary College |
| Brown, Professor G. L. | Member, Royal Danish Academy of Science; Member, Medical Research Council |
| Brown, Mr J. C. McClure (Former Student) | Professor of Obstetrics and Gynaecology, Postgraduate Medical School of London, and attached to the Institute of Obstetrics and Gynaecology |
| Butement, Mr W. A. S. (Former Student) | Controller, Woomera Rocket Range |
| Carr-Saunders, Sir Alexander (Former Research Student) | Member, Scientific Council for Africa, South of the Sahara |
| Černý, Professor J. | Professor of Egyptology, University of Oxford |
| Chapman-Andrews, Mr E. A. (Former Student) | Envoy Extraordinary and Minister Plenipotentiary, Beirut |
| Corfiato, Professor H. O. | Member, Faculty of Architecture, British School at Rome |
| Craske, Mr A. H. Glenn (Former Student) | Master of the Bench of the Middle Temple |
| Dent, Dr C. E. | Reader in Medicine, University College Hospital Medical School |
| Dingle, Professor H. | President, Royal Astronomical Society, 1951; Delivered the Boyle Lecture at Oxford, 1951 |
| Dunsheath, Dr P. (Member, College Committee) | Honorary D.Eng., University of Sheffield |
| Eckersley, Dr T. L. (Former Student) | Faraday Medal of the Institution of Electrical Engineers |
| Elias, Dr T. O. (Former Student) | Simon Research Fellow, University of Manchester |
| Fortes, Professor Meyer (Former Research Student) | Professorial Fellowship, University of Cambridge |
| Fritsch, Professor F. E. (Former Assistant Professor) | Darwin Medal of the Royal Society |
| Gaitskell, The Rt Hon. H. T. N. (Former Reader) | Chancellor of the Exchequer |

| | |
|---|---|
| Goodeve, Sir Charles (Fellow) | Vice-Chairman, Parliamentary and Scientific Committee |
| Graveson, Professor R. H. (Former Reader) | Member, United Kingdom National Committee of Comparative Law |
| Hill, Professor A. V. | Honorary D.Sc., Johns Hopkins University; Foreign Associate, Academie Nationale de Médicine, Paris; Professor Emeritus, University of London |
| Humphreys, Professor R. A. | Corresponding Member, Sociedad Peruana de Historia; Consultative Member in Great Britain, Comision de Historia of the Instituto Panamericano de Geografia e Historia; Corresponding Member, Sociedad Chilena de Historia y Geografia |
| Ing, Dr H. R. (Former Reader) | Fellow of the Royal Society |
| Ingold, Professor C. K. | George Fisher Baker Lecturer, Cornell University, 1950; Honorary Doctorate, University of Oslo; Longstaff Medal of the Chemical Society |
| Jones, Professor A. H. M. | Professor of Ancient History, Cambridge |
| Keen, Dr. B. A. (Fellow) | Member, Scientific Council for Africa, South of the Sahara |
| Kemp, Miss Phyllis M. (Former Student) | Leverhulme Research Fellowship |
| King, Professor W. B. R. (Former Professor) | Murchison Medal of the Council of the Geological Society of London |
| Knight, Mr B. C. J. G. (Former Student and Member of Staff) | Professor of Microbiology, University of Reading |
| Koi, Dr A. H. A. (Former Student) | Member (Education and Social Welfare) Executive Council of the Gold Coast Cabinet |
| Lockwood, Professor J. F. | Master of Birkbeck College |
| Lockyer, Air Vice-Marshal C. E. W. (Former Student) | Deputy Lieutenant, County of Cambridge |
| Maizels, Dr Montague (Former Student) | Professor of Clinical Pathology, University of London |
| Mason, Mr Arnold (Former Student) | Royal Academician |
| Mead, Dr W. R. | Corresponding Member, Geographical Society of Finland; Gill Memorial Medal of the Royal Geographical Society |

| | |
|---|---|
| Mould, Mr J.<br>(Former Student) | Master of the Bench of Gray's Inn |
| Neale, Professor J. E. | Creighton Lecturer, University of London, 1950–51; Member, Editorial Board of Government-sponsored History of Parliament |
| Nicholls, Major-General L. B.<br>(Fellow) | Chairman, Cable and Wireless Limited |
| Pantin, Dr C. F. A.<br>(Former Lecturer) | A Royal Medal of the Royal Society |
| Pearsall, Professor W. H. | Corresponding Fellow, Swedish Phytogeographical Society |
| Pearson, Professor E. S. | Member, Safety in Mines Research (Advisory) Board, Ministry of Fuel and Power |
| Penrose, Professor L. S. | Weldon Memorial Prize of the University of Oxford |
| Penson, Professor Lillian M.<br>(Fellow) | Honorary Litt.D., University of Sheffield; Trustee, London Museum |
| Phillips, Mr D. E. H.<br>(Former Student) | John Marshall Fellowship in Surgical Pathology, University College Hospital Medical School |
| Rideal, Professor Sir Eric<br>(Former Research Student) | Member, Advisory Council for Scientific and Industrial Research |
| Quartermaine, Mr Allan S.<br>(Fellow) | President, Institution of Civil Engineers |
| Quirk, Dr C. R. | Commonwealth Fund Fellowship |
| Robinson, Professor Sir Robert<br>(Former Professor and Member of Ramsay Advisory Council) | Honorary D.Sc., University of Nottingham |
| Sciver, Councillor Albert<br>(Former Student) | Mayor of Westminster |
| Sisson, Professor C. J. | Professor Emeritus, University of London; Assistant Director and Senior Fellow, Shakespeare Institute, Stratford-on-Avon |
| Stephenson, Professor T. A.<br>(Former Lecturer) | Fellow of the Royal Society |
| Tucker, Dr A. N.<br>(Former Research Student) | Professor of East African Languages, University of London. |
| Vesey-FitzGerald, Professor S. G.<br>(Former Professor) | Member, United Kingdom National Committee of Comparative Law |
| Watson, Professor D. M. S. | Professor Emeritus, University of London |
| Watson, Professor H. E. | Professor Emeritus, University of London |

| | |
|---|---|
| Weiss, Professor R. | Delivered the British Academy's Annual Italian Lecture for 1951 |
| Wernham, Mr R. B. (Former Lecturer) | Professor of Modern History, University of Oxford |
| Wilkie, Dr D. R. | Locke Research Fellow, Royal Society |
| Wilkinson, Dr Elizabeth M. | Delivered the British Academy's Master Mind Lecture for 1951 |
| Young, Professor J. Z. | Delivered the Reith Lectures for 1951 |

# ACADEMIC STAFF AND WORK OF THE FACULTIES

## *FACULTY OF ARTS*

Professor A. J. Ayer succeeded Professor G. J. Renier as Dean in October 1950, the latter taking office as Vice-Dean. Dr R. D. McLellan continued as Sub-Dean and Faculty Tutor.

The Faculty decided that the Intermediate Course in Arts should be discontinued at the end of the session 1950–51, and that, in and after October 1951, admission to the Faculty should be normally based upon the direct entry regulations of the University to Honours Courses, and that no applications for admission to General Degree Courses should be accepted except on the specific recommendation of the Head of a Department who wished to continue teaching for the B.A. (General) Degree.

Recognition as Teachers of the University was granted to Mr A. J. Arkell, Dr E. K. Charlotte Banks, Dr Phyllis M. Kaberry, Dr W. R. Mead, and Dr W. Schwarz. Dr D. P. Walker was granted Probationary Recognition.

Professor L. W. Forster and Professor R. W. Russell became members of the Faculty on their appointment to the Chairs of German and Psychology respectively. Miss H. Winifred Husbands and Miss Margaret S. Drower were appointed members of the Faculty in the course of the session.

### ANTHROPOLOGY

The title of Reader was conferred on Dr Phyllis Kaberry in April 1951. Dr N. A. Barnicot left at the end of the Autumn Term for a period of field work in Nigeria, where he is carrying out a study of the physiological basis of heat acclimatization among Europeans and Africans. At the conclusion of his work in Nigeria he intends to

investigate blood groups among the Berber tribes of the Central Sahara. Dr Barnicot's teaching duties were taken over by Miss D. M. Wolffson, who has collaborated in research with Dr Barnicot on adrenal functions and heat acclimatization and has developed her research into a qualitative comparison of adrenal hormone products in Europeans and Africans. Mr D. O. Arikpo, Field Research Assistant, also left the department early in November 1950 for a period of field work among the Ekoi of South-East Nigeria. At the end of the session Mr J. A. Barnes resigned his lectureship in Social Anthropology on his appointment to a Senior Research Fellowship of the University of Manchester, and Dr Paula S. Brown resigned her assistant lectureship.

During the session field research workers attached to the department continued to report satisfactorily on their work and five of them have returned to the department to work up their material—Mr M. G. Smith from Zaria Province, Nigeria; Miss T. M. Baker from the Jos Plateau, Nigeria; Mr D. P. Morton-Williams and Mr W. B. Schwab from South-West Nigeria; and Mr H. A. Powell from the Trobriands, New Guinea.

Of the students who successfully completed degree or diploma courses, Mr R. E. Bradbury was awarded a University Postgraduate Studentship and an Emslie Horniman Studentship for field research among the Bini of South-West Nigeria, and, after a period of preparation for field work, left for Nigeria in March 1951; Mr J. W. Tyler was appointed a Field Research Officer at the East African Institute of Social Research, where he has started work on a study of the Nzinzi of the southern shores of Lake Victoria, Tanganyika.

The programme of lecture courses, classes and tutorials was generally similar to that for previous years, and intercollegiate arrangements with the Institute of Archaeology, the London School of Economics and the School of Oriental and African Studies were continued. The department continued to participate in the special courses for and supervision of Colonial Service Cadets, which are now run on a sessional basis.

## ARCHAEOLOGY

Courses were given by the Professor during the session on 'Greek Sculpture and Vase Painting', on 'The Surroundings of Greek and Roman Life' to students of the Bartlett School of Architecture, and on 'Hellenistic and Roman Sculpture' at the Courtauld Institute. He also held a series of classes on 'Civilization in Greece, 2000–600 B.C.: the Archaeological Material'. In the second term Signora

Calza of the Italian Archaeological Service delivered a lecture on 'Ostia in the Later Empire'. A small but useful collection formed in Greece was generously given by Mr M. S. Thompson, former Treasurer of the Hellenic Society. Minor additions and rearrangements have been made in the Cast Gallery.

## BARTLETT SCHOOL OF ARCHITECTURE

The activities of the School have continued along normal lines except that the newly instituted course on the Preservation and Restoration of Historical Buildings was run for the first time. In connexion with this course, Mr John Harvey and Mr Martin S. Briggs gave special lectures on Mediaeval and Renaissance Architecture in England, and other special lectures were given as follows: 'The Repair and Display of Ancient Buildings' by Mr J. Charlton, 'The Restoration of the Flèche of Salisbury Cathedral' by Mr W. A. Forsyth, 'The Decoration of Mediaeval Buildings' by Mr R. P. Howgrave-Graham, 'Stained Glass' by Mr Lawrence Lee, 'The Liturgical Arrangement and Planning of Churches' by the Rev. Canon C. B. Mortlock, and 'Wall Painting in Mediaeval Buildings' by Mr E. Clive Rouse. These lectures were attended by other students of the School besides those taking the new Certificate course.

The advanced students of the School again took part in a competition which is held each year for the students of all French and British schools of architecture. A first and a second prize were won by students of the School. The subject of the programme was 'A Spa', and in this connexion Mrs K. Bell of the Middlesex Hospital gave a special lecture to fifth-year students on 'The Planning of Spas'.

Following the exhibition of drawings from the Bartlett School which was held at Sydney University last year, it is hoped to hold in this School an exhibition of drawings from Schools in various parts of the Commonwealth. Two exhibitions have been held in the School during the current session: one of photographs of buildings commended by the American Institute of Architects and loaned by the American Embassy, and another of drawings and paintings by the late Sir Percy Smith, loaned by the Royal Society of Arts.

At the commencement of the session, Mr R. J. Fisher, a fourth-year student, won a French Government scholarship and has been spending a year at the National School of Fine Arts in Paris. Mr M. G. Guillaume, a French postgraduate student, spent two terms of the session in the Bartlett School.

The work of the Division of Decoration, under the direction of

Mr H. Warren Wilson, has proceeded satisfactorily notwithstanding lack of space and equipment. It is hoped to extend the scope of this branch of study as soon as means are found. For the first time students of the Division of Decoration have worked under Professor Gerrard, carrying out exercises in the carving of classic letters on slate. Students, under the guidance of various teachers, paid a number of organized visits to building sites and factories. These visits have become a practical part of the course.

Professor A. E. Richardson relinquished at the end of the session the special lectureship which he has held for the past five years.

## EGYPTOLOGY

Professor Černý has been appointed to the Chair of Egyptology at Oxford from 1 October 1951, and will be succeeded in the Edwards Chair of Egyptology at University College by Mr W. B. Emery who has been engaged for many years in archaeological work in Egypt. Miss Diana V. W. Kirkbride, who was previously a student in the department, joined the staff as Departmental Assistant, after a tour of ancient sites in Cyprus, Egypt, and Iraq.

A new honours degree, Hebrew with Egyptian, has been instituted. This gives advanced students a choice of three degrees in which Egyptian can be read as one of the main subjects.

The temporary room intended to house the Petrie Collection was completed during the Spring Term of the session, except for the provision of floor covering and the fixing of burglar-proof grilles to the doors and windows. The thirteen small exhibition cases, some of which were damaged in the war, have been repaired. The unpacking of the 800 cases in which the antiquities are stored began in May, and most of the best objects were on show by the end of the session. A full exhibition of the Collection will not be possible until more accommodation is provided in the department's final home in the new Arts Building.

Despite his illness Professor Černý has almost completed the second edition of the Plate Volume of the *Inscriptions of Sinai*.

Mr Arkell completed for publication the final report on the excavation of Shaheinab, a Neolithic site near Khartoum having close cultural connections with the Fayum Neolithic of Egypt.

## ENGLISH LANGUAGE AND LITERATURE

At the end of the session Professor C. J. Sisson retired from the Lord Northcliffe Chair of Modern English Literature, to which he

was appointed as its first holder on its establishment in 1928, after five years in the department as Reader. Professor James R. Sutherland of Queen Mary College, formerly a lecturer in the department (1930–35), returns to it as the second Lord Northcliffe Professor. The department has been fortunate in having with it as Honorary Lecturer throughout the session Professor Richmond Bond of the University of North Carolina. Professor Bond has taken part in undergraduate and in postgraduate teaching, and in general in the life of the department. Dr C. R. Quirk has been awarded a Commonwealth Fund Fellowship, and has been granted leave of absence for the session 1951–52, which he hopes to spend partly at Yale University and partly at the University of Michigan at Ann Arbor. At the beginning of the session Mr G. S. Ivy, who has held appointments at Trinity College, Cambridge and at Princeton University, joined the staff as Assistant Lecturer; Mr K. J. Palmer, Mr A. J. Herbert and Mr S. S. Hussey were appointed part-time Assistants. Mr Herbert resigned his post at the end of the session.

Mr A. Brown gave a course of eight intercollegiate lectures at King's College on Mediaeval and Tudor Drama, attended by students from all Colleges of the University. It is hoped next session to begin a course on American Literature, now included in the University syllabus as a Special Subject for the B.A. Honours degree. In anticipation of this course, Professor Kenneth Murdock of Harvard gave a series of four Northcliffe Lectures on 'Three Traditions in Nineteenth and Twentieth Century American Literature'. A special grant has been made to complete the equipment of the Library in this subject.

The allocation to the department of three of the rooms in Foster Court vacated by the Classics Departments has greatly relieved pressure, and makes easier the carrying on of tutorial work and the supervision of research.

The Elizabethan press, now installed in its separate press room, is in full use by an enthusiastic group of students under Professor Smith and Mr Brown, who have also used it in the printing of a bibliography of Professor Sisson's writings compiled by Miss Husbands, and menus for special College Dinners.

The edition of Shakespeare on which Professor Sisson has been engaged with the co-operation of members of the staff is approaching completion, and publication next year is hoped for. Dr Jenkins' monograph on Benlowes and Mr Brown's edition of Redford's *Marriage of Wit and Science* are at press. The edition of the A-text of *Piers Plowman*, on which Dr Kane has been engaged in

continuation of the work begun in the department by Professor Chambers and Professor Grattan, is nearly ready for press.

## SLADE SCHOOL OF FINE ART

In October 1950 the following joined the teaching staff: Mr J. Buckland Wright, Mr S. R. I. Knox, Mr Lynton Lamb, Mr Robert Medley, and Mr Claude Rogers.

Of the 202 full-time students attending the School during the session, 178 were following the course leading to the University of London Diploma in Fine Art, four were spending a year working in the School after having gained their Diploma, and the rest were following no set course. There were also forty part-time students. British Council Scholars came from Australia, Canada, Mexico, and the West Indies, while there were also at the School students from Egypt, Greece, New Zealand, and the United States.

At the annual entrance examination held in January, 198 candidates competed for places in October 1951. Of these, 57 were accepted for admission, 28 men and 29 women; 23 of the candidates come direct from Secondary Schools, while most of the rest have already studied at other schools of art, entrants being drawn from 27 art schools. British Council Scholars will come from Australia and Canada.

During the session the following have taught periodically in the School: Mr Edward Ardizzone, Mr Rodney Burn, Mr Maurice Feild, Mr Duncan Grant, Mr Henry Moore, Mr Victor Pasmore, Mr John Piper, Mr Graham Sutherland, Mr Keith Vaughan and Mr Denis Williams.

Professor Wittkower's lectures on the History of Art for second and third year students taking the Diploma Course have also been attended regularly by a number of students from other departments of the College, and applications to attend them have been received from students of the Courtauld Institute, the Architectural Association, and a number of London art schools. During the session a seminar on the 'History of Ideas on Proportion in the Visual Arts' was held and was attended by more than twenty students.

The widening of the field of study of Anatomy in relation to the visual arts was successfully continued and Professor J. Z. Young lectured to students and staff on a number of occasions on the subject of 'Growth and Form', and also on 'Perception', while Mr Jonckheere gave a course of lectures on 'The Psychology of Vision'.

During the Summer Term, Mr Ronald Alley lectured on 'Musical Painting from Delacrois to Kandinsky', Dr Ettlinger on 'The German

Expressionists', Professor Gombrich on 'The Ancestry of Impressionism', Mr Philip James on 'Modern Book Illustration', Mr Colin Rowe on 'Le Corbusier, Painter and Architect', Mr T. J. B. Spencer on 'Poetry and Painting', Mr A. D. B. Sylvester on 'Cubism, Klee and Architecture', and Mr Basil Taylor on 'George Stubbs'.

In January, Mr George Charlton held an exhibition of his recent paintings at the Beaux Arts Gallery. During the session, sculptures by Mr F. E. McWilliam and Mr Reginald Butler were shown at the South Bank Festival Site. Works by Professor Coldstream, Mr Freud, and Mr Rogers were among the 'Sixty Pictures for 1951' shown at the R.B.A. Galleries. The paintings by Mr Freud, Mr Medley, and Mr Rogers received prizes from the Arts Council and were purchased for public collections. During the session present students of the School have shown work at the exhibitions of the Institute of Contemporary Arts, the London Group, Leicester Galleries, and the Royal Academy. Work by students has also been shown in an exhibition of Contemporary British Painting sent to the United States by the British Council and in the Arts Council's exhibition 'Sculpture in the Home.'

The death of Sir Augustus Daniel in November 1950 was a severe loss to the School. A member of the Slade Committee, Sir Augustus Daniel's close connection with the School extended over a period of more than forty years. He is remembered with gratitude and affection by generations of Slade students and by past and present members of the staff.

## FRENCH

The two Assistants, Mr M. A. Screech and Mr M. C. J. Holland, who joined the staff at the beginning of the session, were both former students of the College. Mr M. A. Screech left the College at the end of the session, having been appointed to an assistant lectureship at Birmingham.

There were no significant changes in undergraduate teaching. Postgraduate work continued to expand, and there were over thirty research workers (about half of them full-time), the main fields of study being the literature of the twelfth to thirteenth centuries, that of the Renaissance and that of the last seventy-five years. Two postgraduate seminars are now running successfully, and are attended both by our own students and by those of other colleges.

During the summer vacation the department moved to better accommodation in the Main Building.

## GEOGRAPHY

The title of Reader has been conferred on Mr A. E. Smailes. Mr J. T. Coppock was appointed Assistant Lecturer as from October 1950, and Mr W. P. Packard as from January 1951. Mr Packard, who is a Rhodes Scholar from New Zealand, was unfortunately unable to take up his duties until the session 1951–52 owing to illness. Dr I. B. Terrett was appointed Research Assistant. Miss Helen Freestone resigned her research assistantship during the course of the year on account of her marriage, and Dr Terrett left the department at the end of the session. The department suffered a severe loss through the sudden death of Mr R. T. Cornish on 20 March 1951. Mr Cornish had come to the department as a Lecturer in 1948 and had been a most active member of the staff. He will be remembered amongst other things for the prominent part he took in the field work of the department.

The department was greatly helped in its staffing difficulties by members of the staff of King's College and the London School of Economics—Mr Elkins, Mr Rawson, Mr Sealey and Dr Wood. Professor Frank Debenham of Cambridge also gave a series of lectures on his recent work in Africa. A number of occasional lectures were given by visitors to this country, by Professor Derwent Whittlesey of Harvard, Professor G. B. Cressey of Syracuse, Dr H. M. Mayer of Chicago, Mr C. D. Deshpande (an old student) of Karnatak College, Dharwar, and Mr J. S. Duncan of New Zealand.

Apart from ordinary class excursions around London during term, field work was also carried on during the summer vacation in Cardiganshire, Wiltshire, and Yorkshire. The annual Easter vacation field weeks were held in Tenby for the third year students, at Scarborough for second year students, and at Warminster for first year students.

The two long-term projects of research on Urban Geography and Domesday Geography have both continued, the second volume of the latter being at press.

## GERMAN

Professor L. W. Forster took up his appointment as Head of the Department at the beginning of the session. Mr P. B. Salmon was appointed as an Assistant Lecturer to assist with the teaching of mediaeval German, thus filling the gap left by Mr A. T. Hatto, who had been generously loaned to the department by Queen Mary College. Miss Ilse Appelbaum resigned her appointment as Lecturer

at the end of the session as she was leaving for the United States where she was to be married.

Several members of the staff of the department took part in the intercollegiate programme of lectures. During the Summer Term the department was visited by Dr Hans Egon Holthusen, the poet and critic, who delivered a lecture on Rilke. Members of the department have taken an active part in the activities of the newly founded Institute of Germanic Languages and Literatures in the University of London, where Dr E. M. Wilkinson held a colloquium in the Spring Term. The practice whereby students attend a German university during the summer term of the first year has been continued with great profit. Work continues in teaching, both on the old Honours syllabus, and on the new one which comes into force in 1952.

## GREEK

The title of Professor of Papyrology was conferred on Mr E. G. Turner in October 1950. Professor D. Grene of Chicago and Professor A. D. Trendall of Sydney were appointed Honorary Research Associates.

In the course of the session Professor E. G. Turner gave an intercollegiate course on 'Introduction to Greek Textual Criticism', and Professor T. B. L. Webster on 'Classic Stage Antiquities'. Professor Webster has held a postgraduate seminar on 'Characters of Theophrastus'. A very successful week-end at Cumberland Lodge combined classics and biology students who were addressed by Professor J. Z. Young of this College and Professor D. Grene.

## HEBREW

There were no changes in the staff of the department except that Dr E. J. Heller, previously a part-time Assistant, was given a full-time appointment.

Intercollegiate arrangements with Jews' College, Queen Mary College and the School of Oriental Studies worked satisfactorily, and there were the usual departmental courses on the History of Post-Biblical Literature and on Mediaeval Jewish Philosophy.

Three public lectures on 'The Study of the Old Testament To-day' which were delivered by the Reverend Professor H. H. Rowley of the University of Manchester were of special interest to members of the department. A public lecture on 'Sir Isaac Lion Goldsmid and the Beginnings of Hebrew Studies at University College' was given by

Dr S. Stein in connexion with the Anglo-Jewish Exhibition held in the College in July 1951.

Several postgraduate students were reading for higher degrees; some completed their courses during the session, others are continuing their work on various mediaeval and Renaissance scholars and on Anglo-Hebrew Scholarship in the seventeenth century.

## HISTORY

Mr G. W. S. Barrow of St Andrews and Oxford Universities joined the staff as an Assistant Lecturer, while Dr E. Eyck, the distinguished biographer of Bismark, helped in an emergency by giving a course of lectures on German History. Under the Fulbright Scheme Professor Margaret Hastings of Rutgers University, U.S.A. was attached to the department for the session. Professor A. H. M. Jones left the department at the end of this session on his appointment to the Chair of Ancient History at Cambridge University, and Mr S. T. Bindoff, who as a student and member of the staff has had a very long connexion with the College, left on his appointment to the Chair of History at Queen Mary College, London.

At the beginning of this session the department, with the exception of the Ancient History section, took up its new, though still temporary, quarters at 24 and 25 Gordon Square. The houses incorporate the History sectional libraries, and the private rooms of the staff as well as certain classrooms, thus restoring the pre-war arrangement of having libraries, staff, and students *en suite*. The two History houses are next to, and merged into, a similar house for the department of Economics. This juxtaposition of staff, students and libraries in two closely related subjects provides an interesting and important experiment in academic planning. As the Archaeology and Classics libraries are in the Main Building, the Ancient History staff have been accommodated there also. In the long-term planning, Ancient History will be brought back into the accommodation for History, though still, it is hoped, in proximity to Classics and Archaeology.

The new undergraduate students in History were invited to spend a week-end at Cumberland Lodge before the opening of the session, in order to meet one another and members of the staff and so to ease their absorption into departmental and college life. This experiment was a great success and it is hoped to repeat it in future years. At the undergraduate level the department is still having to extend the courses it offers for the B.Sc. (Econ.) degree. The process of adjustment to this new situation is likely to go on for another year or two and to involve further additions to the staff.

Postgraduate teaching continues to be a significant feature. The various seminars conducted at the Institute of Historical Research by members of the department were attended by between fifty and sixty students, apart from occasional visits by scholars and students when temporarily in London. The international character of some of the seminars is also noticeable. The seminar in Tudor history has gained much from having two American scholars, Professor Margaret Hastings and Professor W. C. Richardson, as members throughout the session.

Mention should be made of the generosity of the Worshipful Company of Goldsmiths which has enabled the College to institute a postgraduate studentship, value £300 per year, in the History of London.

## ITALIAN

Mr D. S. Duncan joined the staff as Assistant Lecturer and Dr E. Loos of Cologne University was appointed Honorary Research Assistant for the session.

The intercollegiate arrangement with the Italian Department of Bedford College continued to function very satisfactorily. A special course on Italian History for Honours students of the department was held by Dr Rubinstein at Westfield College.

During the Summer Term the department was visited by Professor A. Mancini of the University of Pisa, who also delivered a public lecture in the College.

Research in connexion with mediaeval and Renaissance Italian literature has been carried out in the department by Professor Weiss and Mr Duncan.

## LATIN

During the session the department was transferred from Foster Court, where it has been housed since 1944, to a very satisfactory set of rooms in the Main Building. It is now able to pursue its activities with greater effectiveness, and, at the same time, with more material comfort.

No substantial new curricular developments have been attempted, but opportunity has been taken to consolidate and more weightily support some existing courses and fields of study. The general level of undergraduate performance has, on the whole, been good. Research continues on certain aspects of Latin poetry, and, in addition, some especially sound work on Suetonius was achieved by Mr A. J. Dunston who has been appointed to a lectureship at the University

of Reading. Work on mediaeval Latin literature proceeds apace, and a research project in this field is making promising headway.

Professor J. F. Lockwood has resigned the Chair of Latin on his appointment as Master of Birkbeck College, and is succeeded by Dr O. Skutsch of the University of Manchester.

## SCHOOL OF LIBRARIANSHIP AND ARCHIVES

There were no changes of staff during the session. Mr W. C. Berwick Sayers, however, who has been a part-time lecturer at the School since its foundation over thirty years ago, retired at the end of the session.

Both the Diploma in Librarianship and the Diploma in Archive Administration have recently been given academic postgraduate status by the University, and regulations for them are consequently under revision.

A vacation course was organized in April 1951 on the subject of 'Government Information and the Research Worker', the aim being to provide guidance to information officers and librarians particularly on the less accessible or less familiar material produced by Government departments and institutions.

Lectures were given, and preprinted surveys supplied, by senior officers of nearly all the departments concerned, and a comprehensive exhibition was staged with the help of H.M. Stationery Office. About ninety students attended. It is hoped to publish a full report on the inquiry.

Visitors to the School from overseas included Dr H. Lancour, Assistant Professor, University of Illinois Library School, and Herr E. A. Jensen, State Inspector for Public Libraries, Denmark.

## PHILOSOPHY

There were no changes in the staff of the department or in courses given during the session. A substantial increase in the number of research students reading Philosophy was reported.

## PHONETICS

During the session, advanced courses were provided for the first time for students following the second year course for the Academic Postgraduate Diploma in Phonetics, and at the end of the session, students presented themselves at the examination for this Diploma.

Research continued on the phonetic structure of Portuguese and Spanish, and of Italian and English dialects, and new work was begun on the structure of the syllable in English. In the Laboratory, the first programme of research on hearing aids for the deaf was completed and progress was made on the coding of speech sound-waves on a linguistic basis. A demonstration of the effect of some psychological and physical factors on the intelligibility of speech was arranged for the Royal Society Conversazione in May. Close co-operation with the Royal Ear Hospital, the Institute of Otology, and the National Institute for the Deaf was maintained.

## POLITICAL ECONOMY

The title of Reader in Political Economy was conferred by the University on Dr Marian Bowley in January 1951. At the end of the session Mr P. K. Newman, Research Assistant, resigned his appointment.

1950–51 was the last session in which teaching for the degree of B.Sc. (Econ.) under the Old Regulations was given. The Examination for Part I of the new B.Sc. (Econ.) degree was held for the first time in June 1951. A much larger proportion than previously of the teaching for the B.Sc. (Econ.) degree now takes place in the College, and reliance on the London School of Economics has been less than formerly. Special courses were given by members of the department, including a course on Applied Economics for Engineering and Town Planning students, and also a course on Economic Statistics for B.Sc. students.

The following research work was undertaken by members of the department: Dr A. W. Stonier and Mr D. C. Hague have nearly completed their treatise on Modern Economic Theory; a completely revised edition of Professor G. C. Allen's *British Industries and their Organization* is in the press, and should be published shortly; the inquiry into the part played by Western enterprise in the development of Far Eastern countries has been pursued by Professor Allen and Miss Audrey G. Donnithorne, and the section on China is in draft. Mr Hague, with the assistance of Mr Newman, has been engaged in collecting information for the location of industry inquiry undertaken with the help of a grant from the Board of Trade. A considerable body of information has now been collected. Mr W. J. Corlett, in conjunction with Mr D. J. Morgan of the London School of Economics, has completed his work on the influence of price in international trade.

Emphasis has been upon the development of an integrated training and research programme which would allow the department to continue its traditional rôle as a centre for Individual Psychology, and, at the same time, to assume a new rôle in the general area of Experimental Psychology.

Several changes were made in the departmental staff. Professor R. W. Russell was appointed to the Chair of Psychology in October 1950 on the retirement of Professor Sir Cyril Burt. Professor Russell had held an appointment as Associate Professor of Psychology at the University of Pittsburgh in the United States. Professor Burt continued his services with the department as a Special Lecturer. Mr J. W. Whitfield of the Psychological Laboratory, Cambridge University, was appointed Reader in Psychology. Mr K. M. Miller, formerly of the Department of Psychology at Melbourne University, Australia, was appointed as Assistant Lecturer with major responsibilities in Experimental Psychology. Mrs Sheila Franglen, who had just completed a postgraduate course in the department, was appointed Demonstrator in Child Psychology. Dr Charlotte Banks was granted Recognition as a Teacher of the University.

Some changes were made in the department's prospectus in order to meet the change in emphasis towards Experimental Psychology. Laboratory work now extends throughout all years of undergraduate training and is integrated with lecture courses and practical courses in the application of statistical techniques in Psychology. A series of special lectures has been given to medical students and an effort has been made to integrate these lectures with the courses in Medical Sciences being taken by these students. A number of the department's courses have been offered to students from other colleges under intercollegiate arrangements.

Several steps have been taken to improve the department's facilities for training and research. A new teaching laboratory has been put into use, providing the basic requirements for instruction in research design and planning as well as for the conduct of course experiments. The Psychology section in the College Library has been strengthened by the acquisition of a number of basic texts and periodicals recommended by the department. Obsolete apparatus and equipment are being replaced and new research and demonstration devices are under construction in the department's workshop.

As in the past, the majority of postgraduate students have been carrying out research dealing with individual or differential psychology particularly with the mental differences between different individuals

and different social groups. Research has been initiated in experimental psychology on problems of conflict behaviour in animals and human subjects, personal variables influencing perception and problem solving, and factors affecting human performance in various industrial situations.

## SCANDINAVIAN STUDIES

The Department of Scandinavian Studies continued to attract the usual number of students in various categories, principally those who wish to learn one or another of the languages for non-degree purposes.

Mr P. G. Foote has been undertaking the teaching of Old Norse since his appointment as Assistant Lecturer at the beginning of the session, and his advanced courses were attended on an intercollegiate basis. He has also started a course in Modern Icelandic and has had the valuable help of Mr Eirikur Benedikz. Mr I. P. Brandberg, Crown Princess Louise Lecturer in Swedish, and Mr E. Eiken, W. P. Ker Lecturer in Norwegian, resigned at the end of the session.

Excellent gifts for the Scandinavian Library are mentioned elsewhere in the Report. It is particularly satisfactory to note the Norwegian gift as well as a possible further grant of £100 from the Danish Government; Swedish books continue to arrive in large numbers. In addition, a gift of £1,000 has been offered by an English donor for the purchase of a large Icelandic collection, which would fill one of the serious gaps in our collections. From the cultural representatives of the Scandinavian countries the department has had the most enthusiastic and energetic support which has been extremely valuable from every point of view.

The department continues to have very close associations with the Viking Society for Northern Research, which holds its meetings in the College, and both Mr Foote and Dr Quirk (of the English Department) are engaged with Mr Turville-Petre in a project the Society has for the publication of editions of sagas.

## TOWN PLANNING

Although there were no changes among the regular members of the staff, the number of special lecture courses was increased to meet the requirements of the extended three-year syllabus, and of postgraduate students from a wide range of departments. These have included 'The London Building Acts', 'Land Ownership and Tenure', 'Architectural Appreciation', 'Town Planning in the Colonies and

Dominions', and 'Social Surveys for Town Planning Purposes'. A team of lecturers from Wye College gave special lectures on landscape design and horticulture.

Mr G. P. Youngman had two full-time students taking courses in Landscape Design, as well as thirty-six part-time students. One of the full-time students will proceed to Wye College for a year and return to complete his course.

The survey of part of London carried out during the session by the Diploma students, with the collaboration of the London County Council and the Borough Council, was for the central area of Greenwich, including the Park. The report and planning proposals were discussed at an open meeting at the Housing Centre in March.

The Nuffield Foundation has agreed to sponsor a programme of research into the principles and social significance of town and country planning as practised and administered in Britain, which was submitted to them by Mrs Ruth Glass. This research will be carried out with the assistance and under the general direction of the department over the next two years.

## *FACULTY OF LAWS*

The officers of the Faculty remained as follows: Dean, Professor G. W. Keeton, Vice-Dean, Dr G. Schwarzenberger, Sub-Dean and Tutor, Dr O. R. Marshall.

In February 1951 the University granted Recognition as a Teacher of International Law to Mr L. C. Green and as a Teacher of English Law to Dr O. R. Marshall. Dr B. Cheng and Mr D. J. Payne were appointed members of the Faculty.

The Faculty has been very greatly strengthened by the appointment of Professor G. L. Williams to the Quain Chair of Jurisprudence; by that of Mr D. J. Payne (formerly part-time Assistant) as full-time Assistant Lecturer in English Law, and also by the appointment of Dr B. Cheng as Assistant Lecturer in International Law. Mr J. L. J. Edwards resigned his lectureship at the end of the session in order to take up an appointment at Queen's University, Belfast.

There were no significant changes in the undergraduate teaching for the LL.B., but during the session the Faculty took its full share in teaching for the newly instituted Diploma in Law, whilst the work of the Faculty in the field of International Relations for the B.Sc. (Econ.) and M.Sc. (Econ.) was considerably extended to meet the needs of the new scheme of studies for those degrees.

The postgraduate work of the Faculty continued to grow, and members of the Faculty were engaged in the supervision of research

in the fields of English Law, Roman Law, International Law, Jurisprudence, and International Relations, for the academic Diploma in Law, the LL.M., the M.Sc. (Econ.), and for the Ph.D. in the fields of Law and International Relations.

## *FACULTY OF SCIENCE*

Professor S. E. Hollingworth was elected Dean for the session 1950–51 and Professor H. Davenport has served as Vice-Dean. Mr D. O. Wood continued to act as Sub-Dean and Faculty Tutor.

In the course of the session Dr T. Barnard, Dr C. A. B. Smith, and Dr M. K. Wells were granted Recognition as Teachers of the University.

The following were appointed members of the Faculty: Mr M. Abercrombie, Mr J. W. Archbold, Dr T. Barnard, Dr N. A. Barnicot, Dr C. A. Bunton, Dr A. Maccoll, Dr S. J. F. Philpott, Mr K. C. Richardson, Dr H. O. Schild, Dr M. K. Wells, Mr J. W. Whitfield, Dr A. Wilson, Professor F. R. Winton, Professor J. Z. Young. Professor R. W. Russell was also appointed a member of the Faculty on his appointment to the Chair of Psychology at the beginning of the session.

In June 1951 it was resolved by the College Committee that a Department of Astronomy should be established from the beginning of the session 1951–52. Earlier in the session the Court of the University had decided that the responsibility for the direction of the University Observatory should be transferred to the College from 1 August 1951, and subsequently the University instituted the Perren Chair of Astronomy tenable at University College to which Dr C. W. Allen of the Commonwealth Observatory, Canberra, has been appointed.

### BOTANY

The following Lecturers were appointed to the staff of the department at the beginning of the session: Dr L. Fowden, biochemist from the Medical Research Unit, Hampstead; Dr J. Heslop-Harrison from Queen's University, Belfast; and Mr E. Gorham, who had been a postgraduate student of the 1851 Exhibitioners, a Keddey Fletcher-Warr Scholar of the University of London, and who spent the session in Sweden at the Skogsforskningsinstitut, Stockholm, as a Research Fellow of the Royal Society of Canada. Mr P. J. Chamberlain was appointed Assistant Lecturer after two years' research at Cambridge and Dr Pearl Stokes took up the Quain Studentship after post-graduate work at Bristol and Wageningen. Mr P. R. Bell was granted

leave of absence during two terms of the session in order that he might visit Central America for research purposes. He has taken part there in an important excursion into the Andes with American scientists.

The University has introduced an M.Sc. course in Microbiology for which it is hoped to provide facilities in the department.

The principal addition to the equipment of the department was the new hut laboratory for Experimental Botany, the opening of which made possible the proper teaching of modern experimental methods.

On the research side good progress was made with work on fat-producing algae under a grant from the Medical Research Council terminating in 1951. The Agricultural Research Council has agreed to make a grant towards further research on algal physiology and microbiology. A grant has also been received from the Nature Conservancy towards the cost of investigating biological changes in the organic matter of natural soils. The work on lake-bottom deposits in the Lake District was financed by a grant from the Department of Scientific and Industrial Research, which also terminated in 1951. Useful results were obtained.

## CHEMISTRY

Reference is made elsewhere in the Report to the death of Professor Sugden which occurred early in the session. In October 1950 Professor N. H. Cromwell came to the department from the United States as a Fulbright Scholar and later in the session Dr R. Passerini from Italy joined the department as a Research Assistant. Dr D. J. Millen was on leave of absence throughout the session while holding a Commonwealth Fellowship at Harvard. Dr D. P. Craig, Dr R. S. Nyholm, Mr C. A. Vernon, and Dr A. Wassermann were appointed Lecturers, Mr M. N. Berger, Dr J. C. Charlton, and Mr J. F. Smith as Assistant Lecturers. Mr H. J. Evans while retaining his connexion with the department was seconded to administration. He retired from the College at the end of the session, having served as a member of the staff in the Chemistry Department since 1918.

Research has been proceeding on lines laid down in earlier years; nearly all members of staff with their students are beyond the often lengthy preparative stages of research, and are now producing original results. Special reference might be made to the task, which Professor Hughes and Dr Llewellyn brought with them from Bangor, of separating the isotopes of oxygen on such a scale as to

make the heavy isotopes available in quantity. Such progress has been made that significant delivery of the product is now beginning. With this supply, which will be greatly increased, and Dr Bunton's excellently working mass-spectrometer, the ground is prepared for a large new group of researches on the inorganic and organic chemistry of oxy-acids.

## EUGENICS, BIOMETRY AND GENETICS

Dr Rowena Lamy joined the staff as a Lecturer. Research was carried out on the genetics of insects, newts and mice, and on statistical methods. Dr H. Grüneberg in the case of the mouse, and Dr Helen Spurway in the case of *Drosophila*, have been studying characters which are determined by the physiological state of the mother as well as the genetic constitution of the offspring.

### *The Galton Laboratory*

At the beginning of the session Dr H. Harris was appointed Lecturer and held office jointly in the Departments of Biochemistry and of Eugenics, Biometry and Genetics. Dr Sylvia Lawler, Honorary Research Assistant, was awarded a Leverhulme Scholarship to continue her work on serology. Dr H. Kalmus returned from his visit to McGill University, Montreal, and Miss Robin Worthington succeeded Miss Helen McKenzie as Social Investigator.

The work on the genetics of hair colour was continued and the relation of the colour, as measured by light reflectance, to the biochemical properties is being investigated. The work on detection of metabolic peculiarities by chromatography and other techniques continued. Investigations of the families of persons showing inborn biochemical errors was supplemented by serological testing. Specially detailed inquiry is being made into cystinuria. Statistical analyses of data on birth-weight, prematurity, and viability, some of which have been published, were continued. The work done by Miss M. Noel Karn in sorting out these problems has paved the way for a genetical study of birth-weight, which is now in progress. Investigations on human cytology were carried out by Dr Ursula Mittwoch in collaboration with members of the staff at the Postgraduate Hospital at Hammersmith.

Study of the genetics of morphological peculiarities, both normal and abnormal, affecting the dermal ridges of the finger tips and palms was continued.

## GEOLOGY

The staff received a much needed strengthening with the appointment of Mr R. Bradshaw, a former student, as an Assistant Lecturer on the petrological side and Dr J. T. Temple from Cambridge, as an Assistant Lecturer on the palaeontological side to fill the vacancy created by the departure of Dr L. J. Chubb.

By the resignation of Dr Chubb, which was reported briefly last year, the department lost a senior staff member devoted to the College and affectionately known to students over a long period of years. He acted as Head of the Department during the war years in the absence of Professor W. B. R. King and also in the interval that followed the latter's resignation. He was largely responsible for the early stages of the organization which followed the return of the department from Aberystwyth.

Liaison with the Geography Department was continued in the joint planning of the special option course in geomorphology for Geography students. A short course in geochemistry was given by Mr G. Mueller. The intercollegiate course in micropalaeontology conducted by Dr Barnard was well attended.

The acquisition of rooms vacated by the Accounts Department on the first floor of the South Wing has provided essential accommodation for staff and Honours students. The occupation of a room at the south end of the Main Building has reduced the necessity for duplication of classes and released one room in the department for the use of postgraduate students. The lack of any adequate facilities for chemical analysis of rocks has been increasingly felt in the department with the growth of research in this field, and it is hoped that essential minimum equipment for this purpose will soon be provided.

## HISTORY AND PHILOSOPHY OF SCIENCE

No staff changes occurred in the department during the session, and research was continued by staff and students of which the publication of various papers gives evidence.

Professor Dingle visited several British universities in order to lecture on various aspects of the work of the department, and with Dr Crombie attended the meetings of the International Academy for the History of Science at Amsterdam. Dr McKie attended the Committee of the Paris Academy of Sciences for editing and publishing the correspondence of Lavoisier.

## MATHEMATICS

Professor Massey relinquished the Goldsmid Chair of Mathematics to become Quain Professor of Physics in October 1950. Dr Burhop, Mr Bates, and Dr Buckingham moved with him from the Mathematics to the Physics Department. Dr C. A. Rogers returned from Princeton where he had held a Commonwealth Fellowship. Mr T. H. Richardson, formerly senior Demonstrator, was appointed Assistant Lecturer. Mr P. Heymans was appointed senior Demonstrator.

Undergraduates reading for the Special degree in Mathematics continued to select Applied Mathematics in preference to Pure Mathematics for the specialized work of their third year. The department is indebted to Professor Massey and Dr Buckingham for continuing to provide one of the third-year courses; and to Mr Bates for continuing to take the second-year Ancillary class.

There were twenty-one postgraduate students working in the department during the session. Seminars were held throughout the session on theory of numbers and on functions of a real variable, and jointly with King's College on geometry and on algebra and topology. Those research students who were working on mathematical physics now receive their supervision in the Physics Department. We welcome the prospect that future graduates in mathematics, whose interests lie in mathematical physics, may enjoy similar facilities.

## PHYSICS

In October 1950 Professor H. S. W. Massey took up his duties as Quain Professor of Physics. In addition three other members of the staff of the Mathematics Department transferred to the Physics Department: Mr D. R. Bates, Dr R. A. Buckingham and Dr E. H. S. Burhop. Dr Burhop was appointed to an established readership and two more established readerships in the department were created and were filled by the appointments of Mr Bates and Dr Buckingham.

Other appointments made were of Dr T. C. Griffith, Mr L. Castillejo, Mr F. Heymann and Mr M. J. Seaton as Assistant Lecturers. In addition Dr R. L. F. Boyd and Dr J. B. Hasted who had been working as I.C.I. Fellows in the Mathematics Department transferred to the Physics Department. Dr M. J. Bernal and Mr P. Swan have been appointed D.S.I.R. Research Assistants to Professor Massey.

Mr D. R. Bates resigned at the end of the session, having been appointed to the Chair of Applied Mathematics in Queen's University, Belfast.

Many of these appointments reflect a considerable strengthening

of the department on the Theoretical Physics side and teaching facilities are now available for students who wish to complete their B.Sc. (Special) degree in Mathematical Physics to receive special tuition in the third year of their course. As a temporary measure some of the teaching of Ancillary courses in Mathematics and of the third-year Special courses in Applied Mathematics have been carried out by members of the staff of the Physics Department.

The number of postgraduate students has increased markedly during the session and there are now twenty-nine students reading for higher degrees. Special lecture courses for these students have been provided in radiation theory, theory of spectra, nuclear physics, and atomic collision phenomena. In addition, seminars in nuclear physics and electronic and ionic physics were held regularly throughout the session.

The research in the department has been associated with many aspects of the physics of collisions both at high and low energies and both from the experimental and theoretical points of view. The programme has been greatly facilitated by the generous loan by Sir John Cockcroft, Director of the Harwell Atomic Energy Establishment, of a 20 MeV synchrotron from which the electron beam may be extracted. This synchrotron has now been erected in the Physics Department. The department is grateful also for the possibility of co-operation in a joint programme of the scattering of high energy particles obtained from the 110 inch cyclotron at Harwell. Messrs Metropolitan-Vickers Electrical Co. of Manchester have generously provided facilities for measurements of the scattering of electrons obtained from the 10 MeV linear accelerator being constructed there. Other major pieces of equipment at present under construction in the department include a microtron to produce intense electron beams of energy 4 MeV, two high-pressure cloud chambers to operate at a pressure of 100 atmospheres, and an electron lens to focus electrons of energy up to 4 MeV.

A very successful conference on the Dynamics of Ionized Media was held in the Department of Physics during March and was attended by 100 people from England and the Continent.

## STATISTICS

One-year and two-year Ancillary courses in Statistics have now been instituted under the B.Sc. (Special) Revised Regulations. With existing shortage of staff, it has been decided to offer these courses rather than the course for Statistics in the B.Sc. (General) Degree.

The advisory statistical service which Mr N. W. Please has been providing for staff and research workers in the biological and medical departments has proved increasingly popular.

At the end of the session Miss Marjorie Thomas resigned her assistant lectureship in the department.

### ZOOLOGY AND COMPARATIVE ANATOMY

At the end of the session Professor D. M. S. Watson retired from the Jodrell Chair of Zoology and Comparative Anatomy which he had occupied for thirty years. He had been a member of the staff of the department since 1919. Professor P. B. Medawar, Mason Professor of Zoology in the University of Birmingham has been appointed to succeed him. The department has suffered a further loss through the retirement of Dr Elizabeth A. Fraser. Coming to the department in 1905, she was in turn student, research student, Demonstrator, Lecturer, Reader, Honorary Reader, acting Head of the evacuated department during the period 1939–43, and Honorary Research Associate. Miss Joyce Townend, who has been with Professor Watson as Research Assistant and Secretary of the Department since 1932, resigned her departmental appointment on his retirement, though she will remain in the department as an Honorary Research Assistant in order to assist Professor Watson while he continues to work there as an Honorary Research Associate. Mr G. Hoyle and Mr J. P. Stevenson, both former students of the department, were appointed as Assistant Lecturers in October 1950. At the end of the session Dr W. G. Kühne resigned his lectureship for the purpose of pursuing his research elsewhere.

The provision of additional accommodation in the B.Sc. (Special) laboratory has made it possible to increase the size of this class.

In the course of the session the department had the privilege of a short course of lectures on protozoa by Professor Doris L. Mackinnon. The physiological work of the department has been expanded into the field of electro-physiology, in which research is expected to develop to the great advantage of the department.

Research in connexion with the Anti-Locust Research Centre has continued, together with investigations in many other fields.

## *FACULTY OF ENGINEERING*

Professor H. E. M. Barlow, Professor B. J. Lloyd-Evans, and Mr H. Marriott continued to hold office, as Dean, Vice-Dean, and Sub-Dean and Faculty Tutor respectively.

Professor F. Brailsford and Professor E. H. Thompson became members of the Faculty: the former on his appointment to the Chair of Electrical Engineering, and the latter on appointment to the Chair of Surveying and Photogrammetry.

Professor E. S. Pearson and Mr T. H. Walker were also appointed members of the Faculty in the course of the session.

## CIVIL AND MUNICIPAL ENGINEERING

Colonel E. H. Thompson was appointed to the Chair of Surveying and Photogrammetry from 1 May 1951. Other appointments earlier in the session were those of Mr C. P. Andren as Research Assistant in Traffic Engineering and Mr A. Mroz as Departmental Assistant. Mr W. H. E. Neil, Demonstrator in Surveying, died suddenly in May 1951. At the end of the session Dr A. M. Ballantyne resigned his post of Senior Lecturer on his appointment as Secretary of the Royal Aeronautical Society.

In addition to lectures and practical work in Photoelasticity given to the fourth-year undergraduate students, two courses of evening lectures in photoelasticity were given. Arrangements were also made for part-time instruction in the laboratory for members of research departments of various industrial organizations. The new reorganized course on Public Works was given to the fourth-year undergraduate students. This included special lectures on dock and harbour engineering, railway engineering and hygiene, as well as laboratory work on public health engineering. In addition to the usual lecture courses on Soil Mechanics and Strength of Materials for Parts I and II students, a new course on soil mechanics was given to the Part III students.

A new course of lectures in materials and soil mechanics, including demonstration and laboratory work, was given to the third-year students in the Bartlett School of Architecture. A new postgraduate course in Structures, viz., on the stability of domes, arches and vaults, was also given in the School of Architecture.

A low temperature refrigeration cabinet was installed and a photo-microscope constructed for public health engineering research. For soil mechanics and strength of materials the following equipment was obtained and brought into use: 50 ton Avery universal testing machine, 15,000 in.-lb. Avery reversed torsion machine, 250 ton compression testing machine (K.C. Production), Rolls Royce fatigue machine, apparatus for California bearing ratio test, and a variable head permeameter. The 25 ton Amsler testing machine and pump unit, and the old 50 ton press were reconditioned and brought

into use. Stereoscopic testing equipment was purchased for Surveying and the following apparatus was designed and made in the Engineering workshop: photo-microscope, stereo-tilt and scale adjuster, and a stereo-analyser. A new temperature controlled room specially equipped for cement testing has been brought into use, in which a resonant frequency apparatus has been built for measuring 'E' for materials. The new vibrating table is nearing completion. A new ultrasonic pulse velocity apparatus for non-destructive testing work is being built.

Research in photoelasticity was continued on the development of 3-dimensional stress analysis including an investigation into the casting of photoelastic models.

In public health engineering work on the application of ultrasonic vibrations to the treatment of water for domestic supply has been continued and is nearing completion.

Work was commenced by the Chadwick Scholar on the nature and dewatering of sewage sludges. The following research programmes in Surveying are nearing completion: investigations into the scope of photogrammetric techniques for levelling and contouring from air photographs, with special reference to the density of ground control; and applications of photogrammetry to hydraulic problems in engineering. Work was continued on barometric problems, the analysis of deflections and deformations by photogrammetric methods, design and performance of air survey camera and altimetric problems. Work is also being carried out in collaboration with the University of London Child Study Centre, St Thomas' Hospital, and University College Hospital.

## MECHANICAL ENGINEERING

Mr T. H. Walker came to the department from Cardiff Technical College at the beginning of the session and was appointed a Lecturer. Mr A. E. Webb, a Senior Lecturer in charge of Machine Design who has been at the College since 1921, retired at the end of the session.

The fourth year course in Mechanical Engineering is now in full operation.

A modern petrol engine has been installed so that it can be loaded by the usual hydraulic brake or it can drive a supercharger. A fan with four interchangeable runners is in course of erection. A good start has been made in building up equipment for demonstrating the application of electronics to mechanical engineering problems. This will form the nucleus of apparatus for the study of vibrations.

## ELECTRICAL ENGINEERING

At the beginning of the session Professor H. E. M. Barlow succeeded Professor R. O. Kapp in the Pender Chair of Electrical Engineering and as Head of the Department. Dr F. Brailsford, of the Research Department of Metropolitan Vickers Electrical Co. Ltd, was appointed in January 1951 to the Chair vacated by Professor Barlow and to take responsibility for the heavy electrical engineering work of the department. Professor Kapp very kindly agreed to act during the first term as a Special Lecturer in order to maintain the continuity of essential undergraduate teaching.

The session has been marked by the introduction for the first time of the new Part III degree course; and, in Electrical Engineering, this brings into the final examination, as supplementary qualifying subjects, Applied Economics, Law for Engineers, and Presentation of Technical Information. The department is particularly grateful to Professor Allen and to Professor Keeton for the arrangements they have made to provide for the work in Economics and Law. There has been steady progress in the teaching of Presentation of Technical Information, and in this the enthusiasm of Mr B. C. Brookes has been invaluable. The Discussion Group continued to meet at the College under the presidency of Professor Kapp. A series of Colloquia introduced primarily for research workers was extended to include *Special Task* subjects prepared by Part III undergraduates. With the advice of Professor E. S. Pearson and the encouragement of Professor H. Davenport, Mr Brookes expanded his course of lectures on Statistics applied particularly to engineering problems.

The department had the privilege during the session of a visit by Professor Oberdorfer of Graz who gave an informal talk on 'The part played by Austria in the European electric power grid'.

The provision of new apparatus vital to the development of the experimental facilities in the department went a step further forward, and equipment acquired included a radio frequency induction heater, degreasing plant, a special motor generator set with dynamometer and interchangeable rotors, and a precision lathe. The repair and resurfacing of part of the floor of the Pender electrical power laboratory made a great improvement in the working conditions, and the remaining part was dealt with similarly during the Summer vacation.

There was a steady growth in the research activity of the department. Work was in progress on the dielectric constant of ionized gases, the losses in wave-guide surface, the electrical breakdown

characeristics of gases, surface wave propagation and the measurement of microwave power by radiation pressure. A large part of this work was supported by the Department of Scientific and Industrial Research, but in the case of one investigation a grant was received from the R. W. Paul Fund of the Royal Society. The electronic workshop was not yet in full operation. Difficulties in getting equipment had caused delay, but it was hoped that the project would be effectively launched early in the session 1951–52.

Arrangements had been made to share a glass-blower with the Physics department and Mr C. E. Lane was appointed to this post.

### CHEMICAL ENGINEERING

Professor H. E. Watson retired from the Ramsay Memorial Chair at the end of the session and was succeeded by Mr M. B. Donald, formerly Reader in Chemical Engineering in the department.

Courses in the department were on similar lines to those given in former years. Several additions were made to medium scale equipment.

Research was conducted on electrostatic precipitation, the mechanism of formation of small bubbles, the flow of solids through orifices, vacuum fractionation by means of spinning band columns, the catalytic oxidation of hydrocarbons, radiation from flames, the electrostatic separation of minerals, and the development of gauze packings for distillation columns and the concentration of $H_2O^{18}$ in water by distillation.

## *FACULTY OF MEDICAL SCIENCES*

Professor J. Z. Young, Professor F. R. Winton, and Dr J. T. Aitken continued to hold office as Dean, Vice-Dean, and Sub-Dean and Faculty Tutor respectively. Dr R. D. Harkness continued as Supervisor of Dental Students and Mr J. L. Parkinson as Faculty Superintendent.

Recognition as a Teacher of the University was granted to Dr M. Grace Eggleton, and the following were appointed members of the Faculty: Dr M. de B. Daly, Dr S. E. Dicker, Dr A. L. Greenbaum, and Miss Kathleen Law.

In June 1951 the College Committee resolved that a Department of Biophysics should be established in the Faculty of Medical Sciences from the beginning of the session 1951–52 to replace the Biophysics Research Unit formerly attached to the Department of

Physiology, and maintained by grants from the Rockefeller Foundation, the Royal Society, and other bodies. These grants will cease early in the session 1951–52 and the College has undertaken to accept the financial responsibility for maintaining the Biophysics Department.

## ANATOMY

Two new Assistant Lecturers were appointed at the beginning of the session: Dr D. D. B. Morris, formerly of University College Hospital, and Dr J. G. Murray, formerly of Aberdeen University. Dr D. B. Allbrook left to enter general practice in March 1951, but still holds the position of Honorary Research Assistant, visiting the department once a week to continue his research. Dr R. H. Hardy, S.A.T.R.A. Research Fellow, has left the department, having been called up for Military Service.

The programme of teaching was changed somewhat by the reduction of teaching hours agreed by the Faculty as a whole. This involved some reduction in Anatomy lectures. The students were not unanimous as to whether it was a desirable development. The holding of special exercises and discussion groups was continued. The department played a part in the intercollegiate course for the B.Sc. (Special) degree in Anatomy.

A pilot model of a flying spot microscope was set up under the direction of Mr. F. Roberts, and negotiations are in progress for its further development.

Grants have been made by the Nuffield Foundation for work on an investigation of proliferation and morphogenesis in the adult to be undertaken in the Department of Physiology by Mr M. Abercrombie and Dr R. D. Harkness, and an investigation of the embryonic brain in the Department of Embryology by Mr Abercrombie and Dr D. H. L. Evans of the Department of Anatomy. Dr C. J. Stratmann has been appointed to undertake, in collaboration with Dr G. Causey, work on the maintenance of the nerve fibre, provided for by the grant from the Nuffield Foundation. Dr Causey spent a very profitable period of three months in the United States, visiting various universities, and spending much of the time working in collaboration with Professor Erlanger of the Washington University School of Medicine. This visit was made possible by a grant from the Rockefeller Foundation.

Research work in the department proceeded along many distinct lines. Many members of the department are working on the central nervous system and particularly on cortical structure. Professor

Young continued to work with Mr B. B. Boycott on the structure of the brain of the octopus. He also worked on various features of peripheral nerves including determination of the size of nerve fibres, and of the nodes of Ranvier. Mr K. C. Richardson is studying the histology of the mammary and pancreatic glands. Mr D. A. Sholl, with Dr N. L. Mitra and Miss Cecillie M. B. Blockley, are undertaking an elaborate study of the population of cortical neurones and their relations to each other. Dr J. T. Aitken, Dr Allbrook, and Dr Morris have continued their studies on development of regeneration and the innervation of muscles and in particular the possibilities of replacement of lost muscle nerves by those remaining in the muscle; Dr Abercrombie, his investigation of the processes of regeneration and growth, especially in the liver; and Dr Causey and Mrs Elisabeth Palmer, their work on the effect of pressure on nerves, the objective being the discovery of the relations between the nerve cell body and nerve fibre. While in America, Dr Causey developed a new technique for the investigation of the action potential in nerves still in connexion with the nerve cell body and showed the effects of prolonged stimulation on the action potential. Dr D. H. L. Evans continued his work on the autonomic nervous system, and on factors controlling growth of nerve fibres during development and regeneration; in this he has been assisted by Mr A. D. Vizoso. Dr L. H. Hamlyn studied the influences controlling the sizes of nerve cells, particularly in the autonomic nervous system. Dr T. A. Quilliam and Dr G. D. H. Shawe completed their studies on the various factors that control the diameters reached by nerve fibres during regeneration. Dr D. W. James is making a study of the method of repair of tendons. Mrs Bellairs has been working on the development of the foregut in the chick. Mr B. G. Cragg is operating the oscillograph and stimulator built by Mr Causley under the direction of Dr Bishop—equipment which is proving most satisfactory and is being used for the study of the action potentials of single units in the cerebral cortex.

## BIOCHEMISTRY

The staff of the department has been strengthened by the appointment of Dr H. Harris to a joint lectureship between the Departments of Eugenics and Biochemistry. Dr Harris was formerly an Honorary Research Assistant in the Department of Eugenics. Miss Geneviève M. Audy resigned her assistant lectureship on account of her marriage at the end of the session.

Undergraduate and postgraduate teaching and research continued

on the same general lines as in the previous session, and a number of public lectures were held in accordance with the usual practice of the department.

## PHARMACOLOGY

Dr S. E. Dicker came from the University of Bristol in October 1950 to join the staff as Lecturer in Pharmacology, and Dr A. Wilson left the department at the end of the session on appointment to the Chair of Pharmacology at the University of Liverpool.

The general structure of medical undergraduate teaching and of the teaching of Pharmacology in the B.Sc. (Special) Physiology course was maintained, with the addition of a series of introductory lectures in Pharmacology in the third term.

A constant-temperature room has been set up for the study of the effect of diuretic and antidiuretic agents on animals.

Members of the staff and students working for higher degrees have carried out research work in many different fields of pharmacology. This work included investigations on the mechanism of osmotic diuresis in adult and new-born animals, and studies of the content of the vasopressor oxytocic and antidiuretic factors in the posterior pituitary glands of human foetuses. In collaboration with the Obstetric Unit of University College Hospital, research work was continued on the reactions of the human cervix to drugs. The reactions of bronchial muscle of asthmatic individuals were studied in collaboration with the Surgical Unit. Further work has been carried out on the pharmacological actions of anti-cholinesterases in relation to myasthenia gravis, and on the pharmacology of anti-histaminases.

New methods have been developed of applying substances to localized regions within the central nervous system. Research has been continued on the action of drugs on various mental tests in collaboration with the Department of Psychology.

Professor Winton was away during the Summer Term on a lecture and study tour in the United States. He acted as Examiner in Pharmacology in Jamaica in June 1951.

## PHYSIOLOGY

Dr Sheila Howarth has been appointed to the staff of the Institute of Cardiology, and Mr G. W. Cambridge, Bayliss-Starling Student, as Assistant Lecturer in Physiology in the University of Leeds. Appointments in the department during the session included those

of Dr H. E. Lewis as Assistant Lecturer under the Social Science scheme, Mr J. M. Ritchie, and Mr J. E. Pascoe as Assistant Lecturers, and Mr P. G. Wright, who is holding a Medical Research Council grant, as an Honorary Research Assistant. Mr J. Bligh is working as an Agricultural Research Council research student.

No important changes in teaching were made. The tutorial system introduced last year has proved successful, and all members of staff and research workers now participate. This has reduced the size of the tutorial groups to near the optimum.

Additional equipment is now available for teaching and research, and much of it has been constructed in the laboratory.

The work on neurophysiology is proceeding satisfactorily. Dr B. Katz and Dr P. Fatt have produced precise quantitative measurements of the depolarization of muscle produced by incident nerve impulses and Dr J. del Castillo-Nicolau continued his studies of the conduction of nerve impulses at nodes of Ranvier. Mr O. F. Hutter has extended his observations of facilitatory processes at the neuromuscular junction and with Mr J. Bligh is investigating the effect of changes of blood choline on the transmission process. Professor G. L. Brown and Mr Pascoe are studying transmission in autonomic ganglia as a result of the discovery of a particular preparation showing unusually long junctional delays. Cardiovascular studies in the hands of Dr A. Schweitzer and Dr M. de B. Daly are yielding exceptionally interesting information about the relation between the blood pressure regulating system and the calibre of the respiratory passages. With Dr Dithi Chungcharoen they are also studying the flow of blood through the brain. Dr Lewis has continued his work on the genesis of pulmonary oedema and Mr Wright has studied the responses of the respiratory system to pharmacological agents. Dr M. Grace Eggleton continued her investigations of the function of the kidney. A considerable amount of work was done on the properties of muscular tissues. Dr D. R. Wilkie studied the physical properties of muscle fibres and muscle proteins, and Mr Ritchie with Dr M. Goffart of Liège, who visited the laboratory again this session, applied to mammalian muscle the methods developed in the Biophysics Unit. Miss Brenda Bigland and Miss Barbara Jehring showed that muscles suffering hypertrophy as a result of treatment with growth hormone are functionally less efficient than normal muscles. Dr R. D. Harkness made progress in his work on the factors controlling regeneration in the liver after partial removal of the organ. He has received a substantial grant from the Nuffield Foundation for the furtherance of the investigation.

## *Biophysics Research Unit*

Dr P. C. Caldwell joined the Research Unit and in October 1950 Dr B. Katz was transferred to the Physiology Department on his appointment to a Readership in Physiology. At the end of the session Professor A. V. Hill relinquished his title of University Professor though he retains the Foulerton Chair of the Royal Society until the end of 1951. In the course of the session a University Chair in Biophysics was instituted by the University and Dr Katz has been appointed to it as from January 1952.

Research undertaken by members of the Unit has included: 'Mechanics and thermodynamics of muscle' (Professor A. V. Hill); 'Penetration of biological membranes (muscle and blood) by ions' (Dr E. J. Harris); 'Chromatography of phosphorus compounds in muscle' (Dr P. Caldwell); 'The contraction under ATP of glycerol-treated muscle fibres' (Dr D. R. Wilkie, Physiology Department, and Miss Annemarie Weber); 'A new radiometer' (Mr A. C. Downing with Mr D. K. Hill, British Postgraduate Medical School); 'Properties of the retractor of the pharynx of the snail' (Mr B. C. Abbott); 'The absorption of work when a muscle is stretched' (Mr B. C. Abbott and Dr X. M. Aubert); 'The physiological cost of negative work' (Mr B. C. Abbott with Mr. J. M. Ritchie, Physiology Department).

# UNIVERSITY HONOURS

## *HIGHER DEGREES*

### FACULTY OF ARTS

| | | |
|---|---|---|
| D.Lit. | Archaeology | Wood, Margaret E. |
| Ph.D. | Anthropology | Brown, Paula S. |
| | Classics | Maher, A. G. |
| | English | Quirk, C. R. |
| | French | Burns, C. A. |
| | | Hall, G. |
| | | King, C. D. |
| | Geography | Hickman, Gladys M. |
| | Greek | Treweek, A. P. |
| | History | Kerridge, E. W. J. |
| | Latin | Kamel, W. |
| | Psychology | Bennett, Ivy V. P. |
| | | Clarke, A. D. B. |
| | | Granger, G. W. |
| | | Gravely, Ann M. |
| | | Jilani, G. |
| | | Loos, F. M. |

| | | |
|---|---|---|
| M.A. | Classics | O'Donnell, C. M. L. |
| | English | Benn, Caroline de C. W. |
| | | Carey, J. V. C. |
| | | Clarke, Kathleen O. |
| | | Dundas, Oenone J. |
| | | Foote, P. G. (Mark of Distinction) |
| | | Middleton, Elizabeth M. |
| | | Palmer, K. J. (Mark of Distinction) |
| | | Roll-Hansen, D. H. (Mark of Distinction) |
| | | Turner, Margaret A. |
| | | Zaal, J. |
| | French | McShine, J. O. |
| | Geography | Fullerton, B. |
| | | Wheatley, P. |
| | German | Ganz, P. F. |
| | Hebrew and Aramaic | Miller, D. |
| | Mathematics | Rey, T. J. |
| | Psychology | Manley, D. R. |
| | | Pickard, Phyllis M. |
| | | Strizower, Schifra |

## FACULTY OF ECONOMICS

| | | |
|---|---|---|
| Ph.D. | | El-Naggar, S. E. |
| M.Sc. | | Haq, M. T. |
| | | Newman, P. K. |
| | | Robson, P. |
| | | Velayutham, P. |

## FACULTY OF LAWS

| | | |
|---|---|---|
| LL.M. | | Jackson, I. C. |
| | | Zaphiriou, G. |

## FACULTY OF SCIENCE

| | | |
|---|---|---|
| D.Sc. | Biochemistry | Warren, F. L. |
| | Physiology | Holt, L. B. |
| | | Pickford, Lillian M. |
| Ph.D. | Anthropology | Barnicot, N. A. |
| | Biochemistry | Ottaway, J. H. |
| | Botany | Gorham, E. |
| | | Suxena, M. R. |
| | Chemistry | Blake, S. W. P. |
| | | Bright, W. N. J. |
| | | Duncanson, L. A. |
| | | El-Sharawy, H. A. M. |
| | | Hawkins, P. J. |
| | | Jones, M. H. |
| | | Mongar, J. L. |
| | | Ridd, J. H. |

| | | |
|---|---|---|
| | Crystallography | Awad, M. E. S. M. |
| | | Grenville-Wells, Hylton J. |
| | Geology | Wells, M. K. |
| | Mathematics | Abdel-Nabi, I. E. |
| | | Elton, L. R. B. |
| | | Hardiman, Nellie J. |
| | | Robertson, H. H. |
| | | Roth, K. F. |
| | Mathematical Physics | Ledsham, F. C. |
| | Physics | Dalgarno, A. |
| | | Hu, P-M. |
| | | Jolliffe, K. H. |
| | Physiology | Maurice, D. M. |
| | Psychology | Al Bassam, A. A. I. |
| | | Ganguly, D. |
| | | Lubin, A. |
| | Statistics | Khamis, S. H. |
| | Zoology | Kermack, K. A. |
| | | Pilgrim, R. L. C. |
| | | Suley, Alice C. E. |
| | | Truslove, Gillian M. |
| M.Sc. | Biochemistry | Adams, L. A. |
| | | Cooper, A. H. |
| | | Corner, E. D. S. |
| | | Evered, D. F. |
| | | Hopkins, W. E. |
| | | Kelly, F. C. |
| | | King, H. G. C. |
| | | Meredith, O. B. |
| | | Walker, D. M. |
| | Geography | Thurston, H. S. |
| | History & Philosophy of Science | Flint, Vera |
| | | Hesse, Mary B. |
| | | Hodges, K. A. |
| | | Hogg, J. T. |
| | | Rowe, J. S. |
| | | Simpson, B. H. |
| | Mathematics | Cox, R. G. |
| | | Knight, A. J. (Mark of Distinction) |
| | | Wellard, R. C. (Mark of Distinction) |

## FACULTY OF ENGINEERING

| | | |
|---|---|---|
| Ph.D. | | Cullen, A. L. |
| | | El Motasem, M. |
| | | Hayter, A. J. |
| | | Spencer, E. A. |
| | | Tewfik, A. |
| | | Fernandez, J. A. |
| M.Sc. | | Smith, K. V. H. |
| | | Venkata Ramaiah, S. |

# *UNIVERSITY SCHOLARSHIPS, STUDENTSHIPS, AND MEDALS, AWARDED 1951*

## UNIVERSITY STUDENTSHIPS

Derby Studentship in History, Blakemore, H.

Hoover Postgraduate Studentship, Budd, S. M.

Institute of Historical Research Fellowship { Johnson, J. A. / MacFarlane, L. J.

Metcalfe Studentship for Women, Haddy, Pamela M.

Richardson Scholarship for Women, Wolfers, Wendy M.

George Smith Studentship in English, Killham, E. J.

Anatomy, Guillery, R. W.
Chemistry, Bullen, G. J.
Classics, Spurgeon, J. W.
Economics, Taylor, B. F.
Engineering, Blackman, P. F.
Robinson, K. E.
English, Woodhead, Margaret L.
Fine Art, Snow, P.
French, Raeside, I. M. P.
Geology, Robinson, Pamela L.
German, Russ, C. A.
Laws, Cohen, A. E.
Philosophy, Long, P.

## UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anthropology, Bradbury, R. E.
Classics, Barr, W.
Chemistry, Blackall, Eileen L.
Comyns, A. E.
Engineering, Lawson-Hall, G.
English, Herbert, A. J.
Hussey, S. S.
Watkins, O. C.
French, Curtis, Renée L.
Watson, D. H.
Geography, Mansfield, A. J.
German, Eberstadt, H. W.
Subiotto, A. V.
Whaley, J.
History, Evans, D. G.
Mathematics, Ridley, R. O.
Physics, Redhead, M. L. G.
Psychology, Keehn, J. D.
Watson, R. H. J.

# SUMMARY OF EXAMINATION RESULTS

## *I. Degree Examinations*

| | Inter. and 1st and 2nd Medical | Bachelor | | Master | Ph.D. | Higher Doctorate | Faculty Total |
|---|---|---|---|---|---|---|---|
| | | Pass | Hons. | | | | |
| Arts | 12 | 7* | 144 | 20 | 16 | 1 | 200 |
| „ (Architecture) | 14 | 11 | 4 | — | — | — | 29 |
| Laws | 49 | 32§ | 37 | 2 | — | — | 120 |
| Science | 49 | 37† | 104‡ | 19 | 33 | 1 | 243 |
| Economics | | 6 | 28 | 4 | 1 | — | 39 |
| Engineering | | 14 | 24 | 3 | 5 | — | 46 |
| Chemical Engineering | | 2 | 8 | — | — | — | 10 |
| Medicine: Inter. Science (Medical and Dental) | 12 | — | — | — | — | — | 12 |
| 1st Medical | 2 | — | — | — | — | — | 2 |
| 2nd Medical | 70 | — | — | — | — | — | 70 |
| | 208 | 109 | 349 | 48 | 55 | 2 | 771 |

* General Degree. † 25 Special; 12 General. ‡ 95 Special; 9 General.
§ Figure includes one Aegrotat Degree.

*II. Diploma and Certificate Examinations*

| | Diplomas | | Certificates | |
|---|---|---|---|---|
| Arts | Anthropology | — | Architecture | 37 |
| | Archaeology | — | Decoration | 10 |
| | Architecture | 19 | Phonetics | 25 |
| | Archive Administration | 6 | Town Planning | 25 |
| | Fine Art | 50 | | |
| | Librarianship | 22 | | |
| | Phonetics | — | | |
| | Psychology | 5 | | |
| | Town Planning | 21 | | |
| Engineering | | — | | |
| ,, (Surveying) | | 4 | | |
| Chemical Engineering | | 7 | | |
| | | 134 | | 97 |

# THE LIBRARY

The retirement of Professor D. M. S. Watson at the end of the session deprived the Library Committee of a chairman who had guided it with sympathy and wisdom for nine very difficult years. Since he became chairman in 1942 he had constantly helped the Librarian with his advice on the difficult problems and many needs arising from the exceptional conditions which were a legacy of the war. Above all, while stoutly maintaining both in the Library Committee and elsewhere his conviction of the urgent need to provide suitable accommodation for the Library, in order that it might be able once more to give adequate service to undergraduates and become a real aid to research, he invariably insisted on a realistic consideration of plans for the future.

At the beginning of the session the Library was able to expand for the first time since the war from its congested quarters in Foster Court. The General Library was the first part of the Main Building to be restored and taken into use again. In addition to a collection of reference works this reading room now houses the libraries in a number of Arts subjects and the library of the Folk Lore Society

and provides 86 seats for readers. At the same time reading rooms were opened for the History and Political Economy libraries in the houses occupied by those departments in Gordon Square. It had been hoped that the catalogue hall and some further Arts libraries would be moved into the Main Building during the course of the session, but building delays intervened, and, in the event, only the administrative offices of the Library have been established there.

Meanwhile, progress is being made in the planning of an entirely new Library building, which must be erected in stages as the site can be cleared. The provision of the first stage, which will contain half the bookstack, has been accepted as a matter of urgency, owing to the conditions in which a large part of the stock of the Library, comprising both printed books and manuscript material, has necessarily been stored since the end of the war. Not only is much of this material stacked in great piles on the floor of the basement of an adjoining building and thus rendered inaccessible to readers, but the conditions under which it is stored are so bad that its removal is a matter of extreme urgency. As an emergency measure, arrangements have therefore been made to use some basement accommodation in College for the storage of library books, but the Library will not be able to make its collections fully available to those engaged on research until a bookstack is provided in which there will be sufficient shelving to house the entire book stock.

During 1950–51, 11,299 volumes and 2,055 pamphlets were added to the Library, bringing the total book stock up to 577,807 items. The expenditure on books, periodicals, binding, and equipment amounted to £11,903.

Further progress has been made in the restoration of the library in Scandinavian Studies, which was destroyed during the war, and the Committee records with gratitude the generous gift by the Norwegian Ministry of Ecclesiastical Affairs and Education of some 1,300 volumes, mainly in Norwegian literature. During the session the Library has received further considerable numbers of books as gifts or at very reduced prices from learned institutions, individuals and publishers in Norway, Denmark and Sweden. The first steps have been taken to secure for the College the library of a distinguished Icelandic scholar, and the Committee has learned with especial pleasure that an anonymous donor has offered the sum of £1,000 towards its purchase price. The possession by the College of such a collection would go far towards the re-establishment of the Icelandic section of the library in Scandinavian Studies.

During the session the Library has received numerous other gifts

of books, and it would be invidious to single out individual contributions for special mention. A new fund for the purchase of books in Latin-American history has been established through the initiative of Professor R. A. Humphreys; he has gained the sympathetic interest of the directors of a number of firms connected with South America who have made generous contributions for the purpose. The Library Committee has received with great pleasure the gift of £50 from Professor H. Hale Bellot to be added to the fund for books in the history of the United States of America. This fund is proving insufficient as a result of the devaluation of sterling in relation to the dollar.

The Physical Society has deposited in the College Library on permanent loan a collection of letters from distinguished scientists to the late Sir Oliver Lodge. The College Library lent thirteen of its fifteenth and sixteenth century editions of Dante's works for exhibition at a conversazione held at the Royal Institution in February.

The arrears of binding are being steadily overtaken, but the cost still continues to rise. In an effort both to economize in expenditure on binding and to ensure that the work is carried out more speedily, the Library Committee has put forward a plan for the establishment of a Library bindery. No progress, however, has yet been made towards achieving this end owing to the difficulty of finding suitable accommodation in College. The benefit of a Library bindery would be felt particularly by scientists, who at present have to wait three months or more whilst the periodicals containing the results of recent research are being bound by commercial firms.

The Library lost a devoted member of its staff with the retirement in March of Mr F. M. C. Johnson, who had served the College for 28 years and was its senior Assistant Librarian. The Library Committee recorded its warm appreciation of Mr Johnson's service. All departments of the College have had frequent occasion to be grateful to him for his ever-willing personal help, and his long experience of the Library has been of quite exceptional value, especially in the difficult post-war years.

Further transfers of colonial and dominion laws and law reports have been made to the libraries of the Institute of Advanced Legal Studies and of the School of Oriental and African Studies, in conformity with the scheme whereby different Schools of the University undertake the responsibility for teaching the various branches of law.

The borrowers' register contained 3,053 names and 34,952 volumes were borrowed from the Library during the session. The

loans to other libraries totalled 1,081 items, whilst the College Library borrowed 692 volumes from other libraries for the use of its own readers. Following representations made by the student body, the Library Committee decided to restore the hours of evening opening of the Library which obtained during the previous session. One of the libraries remained open until 9 p.m. on each weekday in term.

## PUBLIC LECTURES

Public Lectures in the evening and in the lunch-hour were arranged during the session 1950–51. The aggregate attendance was 17,000.

## SPECIAL LECTURES

BARLOW LECTURES

| | |
|---|---|
| Professor A. P. d'Entrèves of the University of Oxford | Dante as a Political Thinker (Three lectures) |

CHAMBERS MEMORIAL LECTURE

| | |
|---|---|
| Professor C. J. Sisson | R. W. Chambers: A Portrait of a Professor |

COMMONWEALTH FUND LECTURES

| | |
|---|---|
| Constance McL. Green, Chief Historian, Ordnance Corps, United States Army | American Cities as Landmarks of National Growth (Eight lectures) |

NEWMARCH LECTURES

| | |
|---|---|
| Mr W. B. Reddaway of the University of Cambridge | Economic Problems in a Statistical Setting (Four Lectures) |

LORD NORTHCLIFFE LECTURES IN LITERATURE

| | |
|---|---|
| Professor Kenneth B. Murdock of Harvard University | Three Traditions in Nineteenth and Twentieth Century American Literature: The European Heritage—The Colonial Experience—The Native Environment (Four lectures) |

OTHER LECTURES

| | |
|---|---|
| Rev. Prof. H. H. Rowley of the University of Manchester | The Study of the Old Testament To-day (Three lectures) |

## INAUGURAL LECTURES

| | |
|---|---|
| Professor H. E. M Barlow, Pender Professor of Electrical Engineering | Currents and Fields in Electrical Engineering |
| Professor F. Brailsford, Professor of Electrical Engineering | Magnetic Materials in Electrical Engineering: Their Limitations and Improvement |
| Professor L. W. Forster, Professor of German | The Temper of Seventeenth Century German Literature |

| | |
|---|---|
| Professor H. S. W. Massey, Quain Professor of Physics | Post-War Physics |
| Professor R. W. Russell, Professor of Psychology | On the Comparative Study of Behaviour |
| Professor E. G. Turner, Professor of Papyrology | Athenian Books in the Fifth and Fourth Centuries B.C. |
| Professor G. L. Williams, Quain Professor of Jurisprudence | The Aims of the Law of Tort |

## LUNCH-HOUR LECTURES

| | |
|---|---|
| Mr M. Abercrombie | Unresting Cells |
| Mr B. C. Brookes | Criticism of the Literature of Science |
| Mr E. H. Brown | Oscillations in Sea Level and the Landscape |
| Mr W. J. Corlett | Population Trends |
| Dr A. L. Cullen | Wireless Waves |
| Mr R. H. C. Davis | Monasticism in the Eleventh and Twelfth Centuries |
| Mr D. S. Duncan | Pietro Bembo and Venetian Historiography |
| Mr A. J. Dunston | Caesar's Commentaries—Beginners' Text Book or Work of Art? |
| Mr F. C. Francis | Bibliography and the Study of Literature |
| Mr L. F. Gilbert | William Hyde Wollaston |
| Professor J. B. S. Haldane | Human Biology as an Academic Topic |
| Dr E. J. Heller | Theories on Prophecy in Mediaeval Jewish Philosophy |
| Mr H. T. Jessop | Photoelasticity: Determination of the Stresses in Machine Parts (Two lectures) |
| Mr A. R. Jonckheere | Experimental Studies in Personality |
| Mr J. H. Kells | Ancient Greek Law of Homicide |
| Professor J. F. Lockwood | A. E. Housman: Scholar and Poet (Two lectures) |
| Dr W. R. Mead | The Resettlement of Finland's Displaced Farmers |
| Dr C. R. Quirk | What is Philology? |
| Professor G. J. Renier | Modern Developments in Dutch Historical Writing |
| Professor C. M. Robertson | Pattern and Freedom in Greek Sculpture |
| Miss Rosemary A. Sisson | William Perkins—Literary Ancestor of John Bunyan |
| Dr A. W. Stonier | Keynesian Economics To-day |
| Dr L. W. Tancock | A Glorious Failure: Vauvenargues |
| Mr A. J. Taylor | Counting Heads: The Taking of the Census 1801–1951 |
| Dr E. Ashworth Underwood | Anatomy and the Graphic Arts |
| | John Wesley and his 'Primitive Physick' |

| | |
|---|---|
| Dr G. P. Wells | The Behaviour of Worms (Two lectures) |
| Professor R. Wittkower | The Winter Exhibition at the Royal Academy |
| Mr R. A. Wollheim | The Laws of History |
| Professor J. Z. Young | Man as a Subject for Scientific Study |

## SPECIAL UNIVERSITY LECTURES

| | |
|---|---|
| Professor Daniel Bovet of the Istituto Superiore di Sanità, Rome | Natural and Synthetic Sympatholytic Drugs, and their Structural Relationship with Sympathomimetic Substances |
| Professor A. Fessard of the Collège de France | Studies in Comparative Electrophysiology<br>The Central Control of Electric Organs<br>The Muscle Spindle |
| Professor R. F. Flint of Yale University | Dating Late-Pleistocene Events through Radiocarbon |
| Professor H. Hotelling of the University of North Carolina | The Behaviour of Standard Statistical Procedures under Non-Standard Conditions (Two lectures), Multivariate Analysis of Variance |
| Dr R. W. Hunt, Keeper of Western Manuscripts Bodleian Library | The Mediaeval Book, 12th–13th Centuries (Three lectures) |
| Professor F. M. Olbrechts, Director of Musée du Congo Belge | The Study of the Plastic Art of the Belgian Congo—Methods and Results (Three lectures) |
| Professor Bror Rexed of the Karolinska Institutet, Stockholm | The Cytoarchitectonic Organization of the Spinal Cord |
| Professor L. G. Romel of the Statens Skogsforskningsinstitut, Experimentalfältet, Sweden | Experimental Forest Ecology (Two lectures) |
| Dr G. G. Simpson, Curator of Fossil Mammals and Birds at the American Museum of Natural History | Origin and Early Evolution of the Primates |
| Professor H. W. Turnbull, Emeritus Professor in the University of St Andrews | The Discovery of the Infinitesimal Calculus (Three lectures) |
| Professor S. S. Wilks of the University of Princeton | Order Statistics (Three lectures) |
| Professor A. W. P. Wolters, Emeritus Professor in the University of Reading | Reflections on Gestalt Theory (Two lectures) |
| Professor R. B. Woodward of Harvard University | Recent Advances in the Chemistry of Natural Products (Three lectures) |

## LECTURES ARRANGED BY COLLEGE DEPARTMENTS

### ANATOMY AND EMBRYOLOGY

| | |
|---|---|
| Professor R. Dohrn of the Naples Zoological Station | The Naples Zoological Station and its Work |

ARCHAEOLOGY

| | |
|---|---|
| Signora Raissa Calza of the Soprintendenza alle Antichità, Foro Romano, Palatino e Ostia | Le Bas-Empire à Ostie |

BIOCHEMISTRY

| | |
|---|---|
| Dr D. J. Bell of the University of Cambridge | Biological Syntheses concerning Carbohydrate Radicles (Four lectures) |
| Dr A. Elliott and Dr W. E. Hanby of the Research Laboratories of Courtaulds, Ltd, Maidenhead | Aspects of Protein Structure (Four lectures) |
| Professor H. A. Krebs of the University of Sheffield | Energy Transformations in Living Matter (Four lectures) |
| Dr C. J. O. R. Morris of the London Hospital Medical College | Separation Methods in Biochemistry (Three lectures) |

ELECTRICAL ENGINEERING

| | |
|---|---|
| Professor H. E. M. Barlow | Field Guides at High Frequencies (Four lectures) |
| Mr. A. H. W. Beck of Standard Telephones and Cables, Ltd | Ultra High Frequency Valves (Seven lectures) |

HISTORY

| | |
|---|---|
| Mr S. T. Bindoff | Sir Thomas Gresham |
| Miss Margaret S. Drower | The Beginnings of History |
| Professor R. A. Humphreys | An English Adventurer in South America, 1807–27 |
| Mr T. F. Reddaway | London's Bridges, 1209–1939 |
| | London in the Nineteenth Century: The Struggle for Water-Supplies |
| Professor G. J. Renier | William III, King-Stadtholder |

ITALIAN

| | |
|---|---|
| Professor Augusto Mancini, Emeritus Professor in the University of Pisa and former Member of the Italian Parliament | Le Epistole di Dante |

LAWS: CURRENT LEGAL PROBLEMS

| | |
|---|---|
| Dr B. Cheng | General Principles of Law as a Subject for International Codification |
| Mr J. L. J. Edwards | *Mens Rea* in Statutory Offences |
| Mr R. C. FitzGerald | New Town Planners and the Law |
| Professor W. Friedmann of the University of Melbourne | Public Law Problems in Recent English Decisions |
| Professor A. L. Goodhart of the University of Oxford | The Third Man—*Novus Actor Interveniens* |
| Mr L. C. Green | The Continental Shelf |
| Mr D. C. Holland | Diplomatic Immunity in English Law |
| Mr E. R. H. Ivamy | Estate Agents and the Law |

| | |
|---|---|
| Professor G. W. Keeton | Trusts in the Conflict of Laws |
| Mr D. Lloyd | Recent Developments in Divorce Law |
| Mr R. Powell | *Novus Actus Interveniens* in Roman Law |
| Mr E. H. Scamell | The Standards of the Ordinary Man in English Law |
| Professor B. Schwarz of New York University | The United States Supreme Court and Administrative Law |
| Dr G. Schwarzenberger | Trends in the Practice of the World Court |
| Dr G. Webber, Chairman of the Bentham Club | Frustration of Contract |
| Professor Glanville L. Williams | The Aims of the Law of Tort |
| PHARMACOLOGY | |
| Dr F. Bergel | Physico-Chemical Properties and Pharmacological Activity of Drugs (Two lectures) |
| Dr McKeen Cattell of Cornell University Medical College, New York | Observations on the Mechanism of Action of the Digitalis Glycosides on Cardiac Muscle |
| Dr W. S. Feldberg | Chemical Transmitters (Three lectures) |
| Dr T. S. Work | Cell Metabolism and Chemotherapeutic Activity (Two lectures) |
| PHILOSOPHY | |
| Dr Lincoln Reis | Mediaeval Philosophy: the Non-Aristotelian Phase (Two lectures) |
| PHYSIOLOGY | |
| Professor H. Hartridge of the Vision Research Unit, Medical Research Council, Institute of Ophthalmology | Some Recent Advances in the Physiology of Vision (Three lectures) |
| Professor G. Liljestrand of the Karolinska Institutet, Stockholm | Studies on the Regulation of Arterial Blood Pressure |
| SCANDINAVIAN STUDIES | |
| Mr E. Eiken | Fridtjof Nansen (Two lectures) |
| Mr H. A. Koefoed | Romanticism and the Danish Folk High School (Two lectures) |

# STUDENT LIFE

Student activities are so numerous that, as in former years, it is possible to give only a brief summary of them here.

The move made by the Union to change its constitution permanently stands out in the record of Union events during the session as an item of first importance. It was decided in 1945 to run the Union as a joint body, combining the men's and women's Union Societies, for a trial period of five years. This period expired in

October 1950, and at a General Meeting held then, it was decided that the joint Union should continue indefinitely, the Executive Committee being instructed to prepare a new constitution. At this stage difficulties were encountered, for it was found that, should the Women's Union Society cease to exist, there might be serious financial consequences, under the terms of a trust fund connected with the athletic grounds, resulting in substantial loss of capital. At the time of writing there appears to be no legal alternative, if this financial risk is to be avoided, but to revert on paper to separate Unions, with the consequent duplication of officers. It is hoped that a simpler solution may yet be found.

It has been possible during the year to enlarge the Union Lounge to nearly twice the size it was last year, by transferring the Engineering Society lounge and the Union offices to the basement of the Main Building from their former site next to the main Union Lounge. Whilst a larger Lounge has been long overdue, the change has meant moving the Union offices so far from the hub of student life as to make them somewhat inaccessible—a condition aggravated by the circuitous route which students have to take to reach the offices now that construction has started on the South Junction.

The student body has expressed considerable dissatisfaction that the Upper Refectory, on being restored, should have been taken over exclusively for staff purposes instead of returning to its traditional use as a common meeting ground for staff and students. The Union has, however, been allocated the use of an additional prefabricated hut in the South Quadrangle formerly used as a Staff Refectory.

The gymnasium continues to be heavily over-booked, and it has been quite impossible to meet all demands legitimately made for its use. Besides Boxing and Badminton, Gym and Judo, it is used for Dancing and Drama, Meetings and Music; in fact, for all forms of sport and social activity.

During the year, representatives of the Union were given a hearing by the University Grants Committee, and took the opportunity of bringing to its notice the grave handicaps to the adequate organization of non-academic activities within the College caused by the serious lack of suitable accommodation.

The general increase in prices has hit the Union badly, especially in the matter of sports equipment, where costs have increased as much as 500 per cent over the last two or three years. A scheme for increasing the Union income is now under discussion.

A Freshers' Conference was held at the opening of the session, on lines adopted in recent years at other universities. Organized

entirely by the Union, it had the result of stimulating interest in student activities, and for the first time for some years there was considerable competition for the places on Union Council, resulting in vigorous election campaigns.

In April the new Executive Committee took office, constituted as follows: President, Mr Trevor Morrison; Vice-Presidents, Mr Ronald Balding and Miss Claire Graham; Student Secretary, Mr Michael Hartnell-Beavis; Junior Treasurer, Mr Alan Corkill. Dr C. M. Rigby and Mr H. Terrey were re-elected as Senior Treasurers. The monthly luncheons which have brought together members of the Union Executive and members of the senior administrative staff have now been extended to include members of the Managing Sub-Committee.

The Welfare Committee, on behalf of the National Union of Students, has this year extended its 'Job Survey' work to national proportions, in an endeavour to find out the sort of posts which new graduates are entering and the ease or difficulty experienced by them in finding posts. In addition, Welfare Committee has continued to deal effectively with a large number of personal cases within College.

The College newspaper 'PI' has continued its good work, but has found itself considerably handicapped by its supplement 'The University' published on behalf of the University of London Union. The difficulty of making the supplement financially self-supporting has proved too great, and the 'PI' staff has now abandoned the attempt. The magazine 'New Phineas' continues to be a best seller.

Entertainments Committee, under the chairmanship of Mr Trevor Morrison, organized small dances or socials on almost every Saturday during term, and the Union's second post-war all-night Ball, held this year at the Empire Rooms on the threshold of College, was a great success. A ticket agency, established last year, has done much useful work, not only organizing theatre parties, but arranging mutual sale of dance tickets with other colleges.

The Central Athletic Board has been under the chairmanship of Mr Anthony R. Cusens, who succeeded Mr Roger Chandler early in the session. Development continued at Shenley and at the end of the year work started on improved changing accommodation and showers. Increases in fares charged for coach hire occurred during the Summer Term, and it remains to be seen whether these increases will reduce the numbers of those keen to play games. The Rugby and Association Football Clubs hope to be based at Shenley in the near future, and their return from Walton and Motspur Park

respectively will help to bring a greater sense of unity to the athletic life of the Union. In the various University championships, the major men's field clubs were singularly unsuccessful. The Women's Hockey Club were University champions, however, though the Sailing Club were unlucky in their finals. The Men's Boats recorded a number of successes, notably in the Allom Cup, and in July crews went to Utrecht and Copenhagen to represent the College in international events.

The Debating Society under the Presidency of Mr Brian Cooke enjoyed a successful year. The most notable debates were: 'This House deplores the reversal of UNO's attitude to Spain'; 'That King John wasted his time feasting with women'; and 'That in the opinion of this House, life is not worth living'. Visitors to the Society included two members of the Central London Anarchist Group, Mr. R. T. Paget, K.C., M.P., and Lord Strabolgi.

In the past year the Dramatic Society has continued its policy of staging plays which are largely outside the scope of the commercial theatre. The major productions of the session were Webster's 'The White Devil' and Clemence Dane's 'Granite', and the Society is about to start work on the first English performance of Kaj Munk's 'Herod the King'. Recent and imminent productions also include Pirandello's 'Cece', the morality 'Everyman', and—for the Assembly of Faculties—a condensed version of the early Elizabethan play 'Ralph Roister Doister'. 'Playshops' have continued to form an important part of the Society's work. On these occasions members perform short extracts from plays of their own choosing. Recent contributions have shown a wide and encouraging variety.

The Film Society has had a very full year's activity in film appreciation and film production. Programmes included Pudovikin's 'Mother', Fritz Lang's 'Seigfried' and Luciano Emmer's Art films, and in the Summer Term, programmes were given two viewings to cater for the large audiences. The Production Unit made 'Student Travel' for the National Union of Students and was active at many events collecting material for the series of College Newsreels.

The two outstanding events of the year for the Music Society have been the temporary allocation of a flat in Gower Street to house the Music Society's library and instruments and for use as rehearsal rooms, and an arrangement whereby Mr Anthony Addison, the Director of Music, is able to spend far more time in College. The immediate result was a week of full stage performances of the operas 'Dido and Aeneas' (Purcell) and 'Bastien and Bastienne'

(Mozart), which received high praise from all who attended, including the critic of the *News Chronicle*.

A series of Variety Chamber Concerts has been started including extracts from string quartets and Mozart operas and works for recorders, other woodwind instruments and voices.

On behalf of the national appeal for a student Tuberculosis sanatorium the University College Union was the prime mover in the organization of a concert at the Royal Albert Hall, run in co-operation with all the other London Colleges, which raised over £500 for the fund. In addition, the Film Society organized a film show and dance and the Music Society a concert at Friends' House in aid of the fund.

In November, during the State visit of the Queen of the Netherlands to this country, the then President of the Union (Mr David Comins) and the President of the Union of Bedford College, had the honour of being presented to Her Majesty, as representatives of the students of London University, at an informal tea party at the Dutch Embassy.

## THE REFECTORY

The reconstruction of the Upper Refectory in the Main Building was completed in time for it to be brought into use in October 1950. It is used as a Staff Refectory and for special dinners and functions.

The hut in the South Quadrangle which had been used by the staff was handed over for general Refectory purposes, and is now used as a quick-lunch counter which helps to relieve congestion in the Main Student Refectory. Part of the northern bay of the Main Refectory was demolished during the year to make room for the construction of the South Junction.

It is proposed that the Joint Staff Common Room shall move next session from the part of the hut which it occupies in the South Quadrangle. When this occurs the space will be used by the Union during the daytime and by the Refectory in the evening for small dinners and functions.

Messrs John Gardner & Son (London) Ltd were appointed as catering managers to the College from 1 August 1949. It was decided during this year that this contract should be renewed for a further twelve months from 1 August 1951.

## THE OLD STUDENTS' ASSOCIATION

The first Annual General Meeting, under the new rules, was held on Wednesday, 1 November 1950, and Dr P. Dunsheath was re-elected

President. There was an informal dinner, attended by twenty-two members after the meeting.

As in the previous sessions, four informal dinners and meetings have been held. The guest speakers at three of these were: Professor L. C. B. Gower ('Towards a State Legal Aid'), J. Royston-Morley, Esq. ('Broadcasting, Television, and Society'), Professor H. S. W. Massey ('What's happening in Physics'). After the dinner on 26 January 1951, a delightful programme of songs was arranged and sung by the Madrigal Group of the College Music Society, one member of which gave a short account of the history of madrigals. To the guest speakers and the madrigal singers the sincere thanks of the Association are due.

The Annual Dinner–Dance, originally arranged for 17 March, had, unfortunately, to be postponed until 18 May. During an interval in the dancing, members and friends were entertained by Mr Spielrein, a former student of the Bartlett School of Architecture, whose clever lightning sketches of several of his audience were greatly enjoyed. All these functions were held in the Upper Refectory.

It was found impossible to arrange O.S.A. teams to play against the College at cricket and tennis this session, and the matches had, regretfully, to be cancelled.

## LIVING ACCOMMODATION

The purchase of the lease of thirteen adjoining houses, 31–43 Cartwright Gardens, was completed in the early part of the session. The property, which is now known as 'Bentham Hall', was acquired to provide a hostel for men students. Structural repairs, complete redecoration, and alterations to provide adequate bathroom accommodation, and modernization of the kitchens, were carried out under the direction of Professor Corfiato. Owing to this it was only possible to accommodate about forty-five students during the Spring and Summer Terms, but it is hoped that 145 students will be in residence in the session 1951–52. The houses had been used as a residential club and the furniture in them was purchased when the lease was acquired. Much of this will be used in the hostel, but it has been necessary to buy sufficient to fit up the rooms as study bedrooms and renew floor coverings, curtains, and unsuitable pieces of furniture. Mr R. B. Freeman, M.A., was appointed Warden and Mr E. W. Handley, M.A., Vice-Warden. The Manageress, Miss Wooley, relinquished her appointment on 31 July and was succeeded by Mrs Cunnyngham Brown.

The College hostel for women students at 93–97 Gower Street continued to be managed by Miss Paynting as Warden under the supervision of the Student Accommodation Committee. Forty-three students were in residence during the session.

The third College hostel at 28–29 Cartwright Gardens accommodates students of the Slade School. There are twenty-two students, men in one house and women in the other. Students make their own arrangements about meals and may cook in the kitchen in the basement. Men students can have their meals at Bentham Hall. The lease of this hostel expires in March 1952 but the freeholders are willing to extend it until June 1960. It was found that the back walls of the houses are in very bad order and complete rebuilding is necessary.

Mr D. O. Wood, Senior Tutor, continued as Chairman of the Student Accommodation Committee throughout the year. Student representatives were invited to be present at the meetings of the Committee.

The project to build a large hostel block on a site in Fitzroy Street has made no progress. The only properties acquired are the two houses at 115 and 117 Whitfield Street which were mentioned in last year's report.

The College staff flats at Hornton Street, Kensington and Nevern Square, Earl's Court, remained fully occupied.

## THE STUDENT HEALTH ASSOCIATION

The Student Health Association has continued to offer treatment of illness and injury at the Health Centre and to organize an annual X-ray examination under the Mass Radiography Scheme. During the session sixty-five per cent of the student population attended for an X-ray examination. In addition, general health examinations are available for those who wish to have them, as is a General Practitioner Service under the National Health Act for those who register with the Association's Physician.

During the period under review, attendances at the Health Centre numbered 5,398 compared with 4,678 in the session 1949–50. In addition to its full-time Physician-in-Charge, Dr N. Malleson, the Association has employed three part-time Assistant Physicians, Dr M. Withof-Keus, Dr E. A. Marien, and Dr H. S. Laird. Sister Bowden continued in full-time attendance at the Health Centre until the end of July 1951 when she resigned her appointment and was succeeded by Sister Charlotte B. Cousins. A part-time typist

was also employed in addition to the permanent Secretary for the last two terms of the session.

The College Committee was represented on the Association's Committee by Dr D. Heron, who is the Senior Treasurer of the Association, Miss D. Lewton Brain, Miss W. Radley, Mr S. T. Bindoff and Dr A. Wilson. Student members of the Committee continued to fill the positions of Chairman, Secretary, and Junior Treasurer.

## SPECIAL EVENTS

The Provost and Mrs Pye were At Home to members of the College Committee and the academic staff and their wives in the Slade School on the evening of 15 December 1950.

On 24 and 25 January 1951 the College was visited by the University Grants Committee. The Chairman and members of the Committee toured the College buildings, visited a number of departments and held conferences with representatives of the student body, the non-professorial staff, the Professorial Board and the College Committee.

Foundation Week in 1951 was preceded by performances of the Foundation Play, 'The White Devil' by John Webster, which were given by the Dramatic Society during the period 28 February to 3 March.

A Foundation Concert was arranged by the Music Society on Friday, 8 March. The College Choir and Orchestra were conducted by Mr Anthony Addison and the Madrigal Group was led by Mr James Peto. This was followed on Monday, 12 March by the Foundation Debate. The motion before the Debating Society was 'That this House has no confidence in His Majesty's Government'. The motion was proposed by Mr Ian Harvey, Conservative M.P. for East Harrow, and was opposed by Lord Strabolgi. On Tuesday, 13 March, the women members of the Union were At Home to the College. The Foundation Games were held at Mitcham on Wednesday, 14 March, when the College competed with teams from King's College. The Foundation Oration entitled 'Looking Forward' was delivered by Lord Moran on Thursday, 15 March, in the Great Hall at Friends' House. The Oration was preceded by a reception by the President and officers of the Union of their guests who were later entertained by the Union at dinner. The same evening the Film Society presented their own production of the travel film of the National Union of Students entitled 'Student Travel'. The

celebrations of the Week were brought to a conclusion on Friday, 16 March, with the Foundation Ball.

The Fellows' Dinner was held on 3 May 1951, the Provost presiding over fifty-three guests. The Toast 'The College' was proposed by Professor F. G. Young and was drunk, as is the custom, in the Rouse Ball and W. P. Ker Loving Cups. A Burmese silver centre-piece, presented to the Fellows of the College by Miss Lucy Marguerite Eyre in gratitude for the many happy years which she spent at the College, was on view.

The Retirement of Dr Pye from the office of Provost was marked by a Tea Party in the College Quadrangle on Friday, 8 June, and a Dinner Party in the Staff Refectory on 14 June. The Tea Party was attended by members of the College Committee and the academic staff, and by representatives of the student body, the administrative and library staffs, and the technicians and non-academic staff. All sections of the College community, therefore, were represented. Lord Normand made a presentation which took the form of a cheque accompanied by a book containing signatures of subscribers. The book was inscribed by a student of the Slade School and bound by the Demonstrator of Book Binding in the School of Librarianship and Archives. The Dinner was given by members of the academic staff to Dr and Mrs Pye and the four Professors who were retiring at the end of the session, Professor A. V. Hill, Professor C. J. Sisson, Professor D. M. S. Watson, and Professor H. E. Watson. The toast 'The Retiring Provost and Professors' was proposed by the Chairman of the College Committee.

The Twenty-second Ramsay Memorial Dinner was held at the College on 21 June 1951. The Toast 'Sir William Ramsay' was given *In Piam Memoriam*. The Toast 'The Ramsay Memorial Fellows' was proposed by Professor J. R. Partington, a member of the Advisory Council. Dr F. R. Ing, a British Ramsay Fellow, 1925–26, responded on behalf of the British Fellows, and Dr Kurt Leu, Swiss Ramsay Fellow, 1949–50, on behalf of the overseas Fellows. Regret was expressed that this would be the last occasion on which the Provost, Dr D. R. Pye, would act as host at the Dinner. News that the United States Ramsay Fellowship had been re-established and an award made for the year 1951–52 was received with much pleasure. This had been achieved partly through the good offices of Dr C. S. Piggot, recently Science Attaché at the United States Embassy in London, himself an American Ramsay Fellow in 1922–23, and with the friendly co-operation of the Fulbright authorities.

The Assembly of Faculties for 1951 was held at Friends' House, Euston Road, on Thursday, 28 June. A full account of the proceedings is given in Appendix V, page 102.

During the session 1950–51 hospitality has been extended to the following societies and organizations for meetings in the College:

Anglo-Jewish Exhibition 1851–1951, Association for the Reform of Latin Teaching, Association of Assistant Mistresses in Secondary Schools, Association of Teachers in Training Colleges and Departments of Education, Association of University Teachers, Association of Women Science Teachers, Atomic Scientists' Association, Biochemical Society, International Law Association (British Branch), British Ecological Society, British Institution of Radio Engineers, British Optical Association, British Psychological Society, British Social Hygiene Council, Central Committee for Adult Education in H.M. Forces, Council of Christians and Jews, Department of Scientific Research, English Goethe Society, English Place Name Society Council, Folk Lore Society, Genetical Society, Geographical Association (London Branch,) Historical Association (Central London Branch), Institute of Biology, Institute of Contemporary Art, Institute of Historical Research, Institute of Psychiatry, Institute of World Affairs, International Congress of Clinical Pathology, Liverpool University London Society, London Board of Jewish Religious Education, London Classical Association, London Mediaeval Society, Modern Humanities Research Association, Natural Science Club, Oxford and Cambridge Schools Examination Board, Physiological Society of Great Britain, Royal Anthropological Institute, Royal College of Midwives, Royal Commissioners of 1851 Exhibition—Science Research Scholars, Science Masters' Association, Society for Endocrinology, Society for Experimental Biology, Soroptimists, Universities' Federation for Animal Welfare, Viking Society.

NORMAND
*Chairman*

APPENDIX I

## *Return of Attendances of the Members of the College Committee from 1 October 1950 to 30 September 1951*

| *Members of College Committee* | *College Committee* | *Managing Sub-Committee* | *Finance Sub-Committee* |
|---|---|---|---|
| Chairman (Rt Hon. Lord Normand) | 7—7 | — | — |
| Vice-Chairman (Sir Robert Waley Cohen) | 5—7 | 5—9 | 5—12 |
| Treasurer (Dr David Heron) .. .. | 7—7 | 9—9 | 12—13 |
| Provost (Dr D. R. Pye) .. .. .. | 7—7 | 9—9 | 13—13 |
| Mr A. B. Ashby .. .. .. .. .. | 3—7 | — | — |
| Professor H. E. M. Barlow .. .. | 3—3 | 5—5 | — |
| Mr A. Digby Besant .. .. .. .. | 3—7 | 6—9 | 9—12 |
| Mrs Irene Chaplin .. .. .. .. | 4—7 | — | — |
| Dr W. E. Duncanson .. .. .. .. | 7—7 | 8—9 | — |
| Dr P. Dunsheath .. .. .. .. .. | 4—7 | 6—9 | 3—12 |
| Sir Alexander Gibb .. .. .. .. | 0—7 | — | — |
| Dr R. E. Gibbs .. .. .. .. .. | 7—7 | — | — |
| Professor A. V. Hill .. .. .. .. | 5—7 | — | — |
| Professor S. E. Hollingworth .. .. | 3—4 | 3—4 | — |
| Mr A. S. Holness .. .. .. .. .. | 6—7 | 8—9 | 13—13 |
| Sir Frederick James .. .. .. .. | 4—7 | — | 7—13 |
| Professor G. W. Keeton .. .. .. | 2—3 | 2—5 | — |
| Professor B. J. Lloyd-Evans .. .. | 4—4 | 4—4 | — |
| Mr L. Hilary Macklin .. .. .. .. | 7—7 | — | 3—7 |
| Mr E. K. Martin .. .. .. .. .. | 4—7 | — | 8—13 |
| Professor J. E. Neale .. .. .. .. | 3—3 | 5—5 | — |
| Professor W. H. Pearsall .. .. .. | 3—3 | 4—5 | — |
| Professor T. B. L. Webster .. .. | 2—4 | 4—4 | — |
| Miss Etheldreda Wickers .. .. .. | 4—7 | — | — |
| Professor G. L. Williams .. .. .. | 3—4 | 4—4 | — |
| Professor F. R. Winton .. .. .. | 4—7 | 6—9 | — |
| Mr R. McKinnon Wood .. .. .. | 2—7 | — | — |

[NOTE.—*The two figures in each space indicate respectively the number of times that the member attended, and the number of times that he was summoned to meetings of the Committee in question*]

APPENDIX II

# *Numbers of Students*
# *Session 1950–51*

| | *Men* | *Women* | *Total* |
|---|---|---|---|
| Faculty of Arts: | | | |
| (*a*) General .. .. .. .. .. | 334 (72) | 434 (217) | 768 (289) |
| (*b*) Department of Political Economy .. .. .. .. | 90 (2) | 27 (1) | 117 (3) |
| (*c*) Slade School of Fine Art .. | 139 (19) | 108 (32) | 247 (51) |
| (*d*) Bartlett School of Architecture | 249 (73) | 59 (16) | 308 (89) |
| *(*e*) School of Librarianship and Archives.. .. .. .. .. | 6 (6) | 24 (24) | 30 (30) |
| Faculty of Science .. .. .. .. | 521 (35) | 106 (13) | 627 (48) |
| Faculty of Medical Sciences .. .. | 185 (36) | 37 (4) | 222 (40) |
| Faculty of Engineering .. .. .. | 211 (5) | — | 211 (5) |
| Faculty of Laws .. .. .. .. | 191 (9) | 41 (4) | 232 (13) |
| Postgraduate and Research .. .. | 587 (172) | 144 (44) | 731 (216) |
| | 2,513 (429) | 980 (355) | 3,493 (784) |

* *Students reading for the University Diploma in Librarianship and in Archive Administration are included in the Postgraduate figures.*

*The figures in brackets indicate the number of part-time students which are included in the total under each head.*

## *Geographical Distribution of*

| | *Under-graduates* | *Post-graduates* | *Totals* |
|---|---|---|---|
| *United Kingdom* | | | |
| London | 409 | 119 | 528 |
| Home Counties (30-mile radius) | 1,059 | 231 | 1,290 |
| Remainder of United Kingdom | 926 | 146 | 1,072 |
| *British Commonwealth of Nations* | | | |
| Australia | 9 | 18 | 27 |
| British East Africa | 14 | — | 14 |
| British Guiana | 5 | 2 | 7 |
| British West Africa | 18 | 3 | 21 |
| Canada | 11 | 16 | 27 |
| Ceylon | 8 | 4 | 12 |
| Cyprus | 5 | — | 5 |
| Hong-Kong | 3 | 1 | 4 |
| India | 29 | 32 | 61 |
| Malaya | 15 | — | 15 |
| Malta | — | 1 | 1 |
| Mauritius | 2 | — | 2 |
| New Zealand | 6 | 6 | 12 |
| Pakistan | 8 | 7 | 15 |
| South Africa | 23 | 11 | 34 |
| West Indies | 14 | 5 | 19 |
| *Other Parts of the World* | | | |
| Austria | 2 | — | 2 |
| Belgium | 2 | 1 | 3 |
| Bulgaria | 1 | — | 1 |
| Burma | 4 | — | 4 |
| China | 4 | 3 | 7 |
| Czechoslovakia | — | 1 | 1 |
| Egypt | 14 | 36 | 50 |
| Eire | 6 | 2 | 8 |
| Finland | 3 | — | 3 |
| France | 52 | 7 | 59 |
| French Africa | 2 | — | 2 |
| *Carried forward* | 2,654 | 652 | 3,306 |

## *Students, Session 1950–51*

| | *Under-graduates* | *Post-graduates* | *Totals* |
|---|---|---|---|
| *Brought forward* .. .. .. | 2,654 | 652 | 3,306 |
| Germany .. .. .. .. .. .. | 8 | 1 | 9 |
| Greece .. .. .. .. .. .. .. | 6 | — | 6 |
| Holland .. .. .. .. .. .. | 3 | — | 3 |
| Hungary .. .. .. .. .. .. | 2 | — | 2 |
| Iceland .. .. .. .. .. .. | 2 | — | 2 |
| Indo-China .. .. .. .. .. .. | 1 | — | 1 |
| Indonesia .. .. .. .. .. .. | — | 1 | 1 |
| Iran .. .. .. .. .. .. .. | 6 | 5 | 11 |
| Iraq .. .. .. .. .. .. .. | 9 | 5 | 14 |
| Israel .. .. .. .. .. .. .. | 10 | 6 | 16 |
| Italy .. .. .. .. .. .. .. | 3 | 3 | 6 |
| Luxembourg .. .. .. .. .. | 3 | — | 3 |
| Norway .. .. .. .. .. .. | 8 | 4 | 12 |
| Poland .. .. .. .. .. .. | 10 | 6 | 16 |
| Portugal .. .. .. .. .. .. | 1 | — | 1 |
| South America .. .. .. .. .. | 7 | 2 | 9 |
| Siam .. .. .. .. .. .. .. | 1 | 2 | 3 |
| Spain .. .. .. .. .. .. .. | 1 | 1 | 2 |
| Sweden .. .. .. .. .. .. | 2 | 2 | 4 |
| Switzerland .. .. .. .. .. .. | 5 | 1 | 6 |
| Tibet .. .. .. .. .. .. .. | 1 | — | 1 |
| Transjordan .. .. .. .. .. | 1 | — | 1 |
| Turkey .. .. .. .. .. .. | — | 4 | 4 |
| United States of America .. .. | 18 | 36 | 54 |
| Totals .. .. .. .. .. | 2,762 | 731 | 3,493 |

### SUMMARY

| | |
|---|---|
| United Kingdom .. .. .. .. .. | 2,890 |
| British Commonwealth of Nations .. | 276 |
| Other parts of the world .. .. .. | 327 |
| | 3,493 |

| 1949–50 £ | £ | EXPENDITURE | £ | 1950–51 £ | £ |
|---|---|---|---|---|---|
| | | ADMINISTRATION | | | |
| 46,265 | | Salaries of Administrative Staff (including N. Insurance and Family Allowances) | | 52,680 | |
| 2,639 | | Superannuation of Administrative Staff | | 3,670 | |
| 792 | | Advertising | | 680 | |
| 13,053 | | Printing, Stationery, Postages and Telephone | | 16,207 | |
| 846 | | Audit and Legal Fees | | 753 | |
| 2,234 | | Other Expenses | | 2,508 | |
| | 65,829 | | | | 76,498 |
| | | DEPARTMENTAL MAINTENANCE | | | |
| | | Salaries of Teaching Staff (including N. Insurance and Family Allowances): | £ | | |
| 95,893 | | Professorial | 97,942 | | |
| 246,027 | | Non-Professorial | 276,127 | | |
| | | | | 374,069 | |
| 341,920 | | | | | |
| 29,976 | | Superannuation of Teaching Staff | | 32,970 | |
| 4,174 | | Salaries of Departmental Staff (including N. Insurance and Family Allowances) | | 6,020 | |
| 120 | | Superannuation of Departmental Staff | | 281 | |
| 330 | | Public Lectures | | 1,195 | |
| 59,225 | | Departmental Wages (including N. Insurance and Family Allowances) | | 64,755 | |
| 2,176 | | Superannuation—Departmental Wages | | 2,343 | |
| 47,256 | | Departmental and Laboratory Maintenance: from General Income | 40,374 | | |
| 5,000 | | ,, Special Apparatus Reserve Fund | 5,000 | | |
| 2,731 | | ,, Trust and Special Funds and Donations | 3,966 | | |
| | | | | 49,340 | |
| 11,421 | | Salaries of Librarian and Library Staff (including N. Insurance and Family Allowances) | | 13,847 | |
| 937 | | Superannuation of Library Staff | | 1,065 | |
| 9,870 | | Libraries | | 10,615 | |
| 1,725 | | Other Departmental Expenses | | 2,496 | |
| | 516,861 | | | | 558,996 |
| | | MAINTENANCE OF PREMISES | | | |
| 3,723 | | Salaries of Works Department Staff (including N. Insurance and Family Allowances) | | 4,595 | |
| 366 | | Superannuation of Works Department Staff | | 400 | |
| 13,991 | | Rates and Insurance | | 15,372 | |
| 19,277 | | Heat, Light and Water (including Stokers' Wages, N. Insurance and Family Allowances) | | 24,748 | |
| 9,896 | | Ordinary Repairs and General Maintenance of Buildings | | 10,382 | |
| 13,689 | | Wages of Porters and Attendants (including N. Insurance and Family Allowances) | | 14,601 | |
| 9,614 | | Cleaners (including N. Insurance and Family Allowances) | | 10,093 | |
| 373 | | Grounds | | 351 | |
| 695 | | Superannuation of Tradesmen, Porters and other Staff | | 1,042 | |
| 2,460 | | Household Stores | | 3,065 | |
| 2,019 | | Furniture | | 1,033 | |
| 188 | | Crabb Robinson Fund (for Athletic Grounds, Halls, etc. *(per contra)* | | 195 | |
| 1,285 | | Other Expenses | | 747 | |
| | 77,576 | | | | 86,624 |
| | | PENSIONS | | | |
| 250 | | To Retired Members of Staff: from Trust Funds *(per contra)* | | 266 | |
| 3,404 | | ,, General Income | | 3,289 | |
| 597 | | To College Servants | | 644 | |
| | 4,251 | | | | 4,199 |
| | 88 | OTHER EDUCATIONAL EXPENSES Examiners' Fees | | | 135 |
| | 2,697 | RENTS AND OTHER PAYMENTS FOR USE OF BUILDINGS (including Hostels) | | | 3,565 |
| | 667,302 | *Carried forward* | | | 730,017 |

## ACCOUNT FOR YEAR ENDED 31 JULY 1951

| *1949–50* £ | £ | INCOME | £ | 1950–51 £ | £ |
|---|---|---|---|---|---|
| | | ENDOWMENTS (Trust Funds): Appropriated for: | | | |
| *14,308* | | Salaries and Superannuation of Teaching Staff | | 11,889 | |
| *3,394* | | Scholarships and Prizes | | 3,468 | |
| *14,551* | | Faculty of Medical Sciences (Holme and Rockefeller Sustentation Funds) | | 14,551 | |
| *1,297* | | Chemical Engineering | | 1,034 | |
| *1,504* | | Galton and Biometric Laboratories | | 1,555 | |
| *3,287* | | Zoology and Comparative Anatomy | | 3,287 | |
| *188* | | Athletic Grounds, Halls, etc. (Crabb Robinson Fund) *per contra*) | | 195 | |
| *250* | | Retired Professors' Pensions (*per contra*) | | 266 | |
| | | Purposes other than above: | £ | | |
| *844* | | Departmental and Laboratory maintenance | 551 | | |
| *1,645* | | Libraries | 1,283 | | |
| *247* | | Public Lectures | 1,145 | | |
| *1,719* | | Other purposes | 1,828 | | |
| | | | | 4,807 | |
| | *43,234* | | | | 41,052 |
| | | DONATIONS AND SUBSCRIPTIONS: Appropriated for: | | | |
| *2,621* | | Special Purposes | | 1,745 | |
| *1,007* | | Scholarships and Bursaries | | 1,590 | |
| *443* | | Apparatus | | 340 | |
| | *4,071* | | | | 3,675 |
| | | SPECIAL FUNDS: Appropriations from: | | | |
| *933* | | Eugenics and Statistics Publications Fund | | 1,631 | |
| *5,000* | | Special Apparatus Reserve Fund | | 5,000 | |
| *1,048* | | Students' Purposes Fund | | 1,602 | |
| *39* | | *Completion of Engineering Laboratories Fund* | | — | |
| *15* | | Library Deposits Fund | | 16 | |
| *166* | | German Library Fund | | 166 | |
| *428* | | Rockefeller Site Building and Equipment Fund | | 419 | |
| *79* | | Library Fines Fund | | 68 | |
| *5* | | Egyptology Fund | | 15 | |
| *50* | | V. F. Pye Royalties Fund | | 25 | |
| *100* | | Ealing Hall Fund | | 92 | |
| *2,041* | | Pension Reserve Fund | | 1,134 | |
| — | | Latin American History Fund | | 150 | |
| — | | Chemistry Loan Collection Fund | | 532 | |
| — | | A. J. Head Fund | | 93 | |
| | *9,904* | | | | 10,943 |
| *57,209* | | *Carried forward* | | | 55,670 |

| 1949–50 £ | £ | EXPENDITURE (continued) | 1950–51 £ | £ |
|---|---|---|---|---|
| | *667,302* | *Brought forward* | | 730,017 |
| | | SCHOLARSHIPS AND PRIZES | | |
| *3,394* | | From Endowments | 3,468 | |
| *2,480* | | „ General Income | 2,637 | |
| *200* | | „ General Income (Exhibition Bursaries and Special Fee Remissions) (*per contra*) | 225 | |
| *1,007* | | „ Special Donations | 1,590 | |
| | *7,081* | | | 7,920 |
| | | STUDENTS' SOCIETIES | | |
| *8,468* | | Payments to: University College London Union | 8,796 | |
| *543* | | University of London Union | 566 | |
| *505* | | Other Payments: from Students' Purposes Fund | 1,036 | |
| — | | „ A. J. Head Fund | 94 | |
| | *9,516* | | | 10,492 |
| | | MORTGAGE LOAN ON GORDON STREET FRONTAGE | | |
| *1,657* | | Interest | 1,577 | |
| *1,998* | | Transfer to Redemption Fund | 2,079 | |
| | *3,655* | | | 3,656 |
| | | OTHER EXPENSES | | |
| *101* | | Institute of Historical Research—Grant to Library (American History Fund) | 141 | |
| — | | Institute of Historical Research—Grant to Library (Latin American History Fund) | 75 | |
| *400* | | Subvention to Refectory for College Amenities | 400 | |
| — | | „ „ Student Health Association | 800 | |
| *160* | | Grant to German Library | 160 | |
| *482* | | Interest credited to Special Accounts | 680 | |
| *1,914* | | Miscellaneous Expenditure | 1,803 | |
| *116* | | Bank Charges | 3,470 | |
| | *3,173* | | | 7,529 |
| | *2,501* | CAPITAL EXPENDITURE MET FROM INCOME | | 1,738 |
| | *952* | DEFICIT ON STAFF ACCOMMODATION ACCOUNT | | 359 |
| | *54* | DEFICIT ON HOSTELS ACCOUNT | | 55 |
| | *694,234* | | | 761,766 |
| | | BALANCE OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR | | |
| | — | General | 4,050 (Cr) | |
| | — | Medical | 3,358 (Dr) | |
| | — | Social Sciences | 871 (Cr) | |
| | | | | 1,563 |
| | *£694,234* | | | £763,329 |

| 1949–50 £ | £ | INCOME (continued) | £ | 1950–51 £ | £ |
|---|---|---|---|---|---|
| | 57,209 | *Brought forward* | | | 55,670 |
| | | RECURRENT GRANTS ALLOCATED BY THE COURT OF THE UNIVERSITY | | | |
| 374,427 | | General | | 400,427 | |
| 75,573 | | Medical | | 85,573 | |
| 9,100 | | Social Sciences | | 12,000 | |
| 459,100 | | | | 498,000 | |
| | | Salary Supplementation: | £ | | |
| 53,830 | | General | 66,717 | | |
| 11,836 | | Medical | 16,559 | | |
| 1,076 | | Social Sciences | 1,740 | | |
| | 525,842 | | | 85,016 | |
| | | | | | 583,016 |
| | | FEES | | | |
| 101,291 | | General (including £679 for Intercollegiate Teaching) | | 105,847 | |
| 878 | | Examination and Registration Fees | | 626 | |
| 109 | | Exhibition Bursaries and Special Fee Remissions (*per contra*) | | 225 | |
| 102,368 | | | | 106,698 | |
| 312 | | *Less* Intercollegiate Fees Paid | | 478 | |
| | 102,056 | | | | 106,220 |
| | | OTHER INCOME | | | |
| — | | Interest on Reserve Fund Investments | | 577 | |
| 640 | | Bawden Fund (Interest) | | 640 | |
| 11 | | Societies (for Service, etc.) | | 3 | |
| 327 | | Lockers and Cycle House Rents | | 341 | |
| 26 | | Sale of Calendars, etc. | | 44 | |
| 75 | | Administration Charges | | 75 | |
| 148 | | Keys | | 152 | |
| — | | War Damage Chattels Claim | | 10,000 | |
| 980 | | Miscellaneous | | 3,342 | |
| | 2,207 | | | | 15,174 |
| | 1,980 | SURPLUS ON COLLEGE PROPERTIES ACCOUNT | | | 3,249 |
| | 689,294 | | | | 763,329 |
| | | *Balance of Income and Expenditure Account for the year* | | | |
| 3,829 (Cr) | | *General* | | | — |
| 9,122 (Dr) | | *Medical* | | | — |
| 353 (Cr) | | *Social Sciences* | | | — |
| | 4,940 | | | | |
| | £694,234 | | | | £763,329 |

| | *General* £ | *Medical* £ | *Social Sciences* £ | *Net Total* £ |
|---|---|---|---|---|
| Balance (Deficit) brought forward from 1949–50 | — | 9,121 | 54 | — |
| Income and Expenditure Account Deficit | — | 3,358 | — | — |
| Balance (Surplus) carried forward | 17,258 | — | 817 | 5,596 |
| | £17,258 | £12,479 | £871 | £5,596 |

## HOSTELS

### EXPENDITURE

| *1949–50* | | 1950–51 *93–97 Gower Street* | *Bentham Hall 31–43 Cartwright Gardens* | *28–29 Cartwright Gardens* | *Total* |
|---|---|---|---|---|---|
| £ | | £ | £ | £ | £ |
| *980* | Rent of Premises | 675 | 954 | 306 | 1,935 |
| *650* | Rates and Insurance | 494 | 1,015 | 161 | 1,669 |
| *190* | Maintenance of Premises | 135 | 112 | 98 | 345 |
| *858* | Heating, Lighting and Water | 502 | 1,088 | 292 | 1,882 |
| *1,295* | Wages and N. Insurance | 1,155 | 2,185 | 110 | 3,450 |
| *197* | Laundry and Household Stores | 191 | 433 | 19 | 643 |
| *1,039* | Food | 1,116 | 1,849 | — | 2,965 |
| *241* | Repairs and Renewals, Telephone and Miscellaneous | 105 | 111 | 32 | 248 |
| *19* | Sundry Equipment | 105 | 34 | 4 | 143 |
| *200* | Allocation to Maintenance Reserve | 100 | — | 100 | 200 |
| *384* | Salaries, N. Insurance and Superannuation of Warden and Other Staff | 393 | 723 | — | 1,117 |
| *6,053* | | 4,971 | 8,504 | 1,122 | 14,597 |
| *136* | Surplus on 28–29 Cartwright Gardens | — | — | 71 | 71 |
| *£6,189* | | £4,971 | £8,504 | £1,193 | £14,668 |

| | *General* £ | *Medical* £ | *Social Sciences* £ | *Net Total* £ |
|---|---|---|---|---|
| Balance (Surplus) brought forward from 1949–50 .. .. | 11,129 | — | — | 1,954 |
| Income and Expenditure Account Surplus .. .. .. .. | 4,050 | — | 871 | 1,563 |
| Capital Account: Amount transferred .. .. .. .. | 2,079 | — | — | 2,079 |
| Balance (Deficits) carried forward | — | 12,479 | — | — |
| | £17,258 | £12,479 | £871 | £5,596 |

## ACCOUNT

INCOME

| *1949–50* | | 1950–51 *93–97 Gower Street* | *Bentham Hall 31–43 Cartwright Gardens* | *28–29 Cartwright Gardens* | *Total* |
|---|---|---|---|---|---|
| £ | | £ | £ | £ | £ |
| *4,792* | Residence Fees .. .. .. | 4,008 | 3,710 | 752 | 8,470 |
| *38* | Telephone Receipts .. .. | 34 | 37 | 23 | 94 |
| *189* | Meter Receipts .. .. .. | 103 | 14 | 112 | 228 |
| — | Miscellaneous Receipts .. .. | 25 | 38 | — | 64 |
| *980* | Rent of Premises: transferred to College Income and Expenditure Account .. .. .. | 675 | 954 | 306 | 1,935 |
| *5,999* | | 4,845 | 4,753 | 1,193 | 10,791 |
| *41* | *Deficit on 8–11 Cartwright Gardens* | — | — | — | — |
| *149* | Deficit on 93–97 Gower Street .. | 126 | — | — | 126 |
| — | Deficit on Bentham Hall .. | — | 3,751 | — | 3,751 |
| *£6,189* | | £4,971 | £8,504 | £1,193 | £14,668 |

SUMMARY

| | £ | £ |
|---|---|---|
| Deficit on 93–97 Gower Street .. | | 126 |
| „ „ Bentham Hall .. .. | | 3,751 |
| | £ | 3,877 |
| *Less* Deficit on Bentham Hall held in Suspense .. .. .. .. | 3,751 | |
| „ Surplus on 28–29 Cartwright Gardens .. .. .. .. | 71 | |
| | | 3,822 |
| Net Deficit carried to Income and Expenditure Account .. .. | | £55 |

EXPENDITURE

| 1949–50 | | | 1950–51 | | |
|---|---|---|---|---|---|
| | | | *37–38 Nevern Square* | *1, 3 and 5 Hornton Street* | *Total* |
| £ | £ | | £ | £ | £ |
| *90* | | Ground Rent | 90 | — | 90 |
| *65* | | Rates and Insurance | 26 | 36 | 62 |
| *26* | | Heating, Lighting and Water | 13 | 33 | 46 |
| *40* | | Maintenance of Premises | 61 | 31 | 92 |
| *9* | | Household Stores | 1 | 3 | 4 |
| *164* | | Service | 50 | 220 | 270 |
| *81* | | Telephone | 19 | 51 | 70 |
| — | | Miscellaneous | 3 | 1 | 4 |
| *475* | | | £263 | £375 | £638 |
| | | Treasury Loan: | | | |
| *1,209* | | Interest | | 1,183 | |
| *870* | | Transfer to Redemption Fund | | 897 | |
| — | *2,079* | | | — | 2,080 |
| | *45* | Transfer to Leasehold Depreciation Fund (37–38 Nevern Square) | | | 45 |
| | *£2,599* | | | | 2,763 |

COLLEGE

EXPENDITURE

| 1949–50 | | | 1950–51 |
|---|---|---|---|
| £ | £ | | £ |
| *129* | | Rents Payable | 502 |
| *617* | | Rates and Insurance | 372 |
| *146* | | Heating, Lighting and Water | 130 |
| *3* | | Cleaning | 39 |
| *130* | | Maintenance of Premises | 141 |
| *12* | | *Miscellaneous* | — |
| *56* | | Legal and Other Expenses | 97 |
| *1,093* | | | 1,281 |
| | | Mortgage Loan on Seamen's Hospital: | £ |
| *1,475* | | Interest | 1,330 |
| *3,842* | | Transfer to Redemption Fund | 3,987 |
| — | *5,317* | | 5,317 |
| *1,980* | | Balance for the year carried to Income and Expenditure Account | 3,249 |
| *£8,390* | | | £9,847 |

INCOME

| 1949–50 | | 1950–51 | | |
|---|---|---|---|---|
| | | *37–38 Nevern Square* | *1, 3 and 5 Hornton Street* | *Total* |
| £ | | £ | £ | £ |
| *1,647* | Rents Received | 764 | 1,640 | 2,404 |
| *952* | Balance for the year carried to Income and Expenditure Account | | | 359 |
| *£2,599* | | | | £2,763 |

## PROPERTIES ACCOUNT

INCOME

| 1949–50 | | 1950–51 | |
|---|---|---|---|
| £ | | £ | £ |
| | Rents received from Properties: | | |
| *308* | Malet Place, East Side | 183 | |
| *463* | 114–116 Gower Street | 277 | |
| *95* | 40 Sandwich Street | 41 | |
| *40* | Foster Court (St Pancras Electricity Sub-Station) | 40 | |
| — | Foster Court Window Rent | 1 | |
| *110* | 134 Gower Street | 110 | |
| *5,500* | 25 Gordon Street (Seamen's Hospital) | 5,500 | |
| *1,050* | 88–98 (even) Gower Street | 2,627 | |
| *890* | 16–24 Gordon Square | 1,197 | |
| *8,456* | | 9,976 | |
| *66* (Dr) | *Less* Agency Commission | 129 | |
| | | | 9,847 |
| *£8,390* | | | £9,847 |

PAYMENTS

| *Item* | *Project* | 1941–50 £ | 1950–51 £ | *Total* £ |
|---|---|---|---|---|
| 1 | Preparation of Plans for Reconstruction of the College | 14,517 | 4,413 (Cr) | 10,104 |
| 2 | Reconstruction of Main Building | 132,098 | 92,615 | 224,713 |
| 3 | Huts and Equipment | 53,795 | 372 | 54,167 |
| 4 | Excavation to East of South Cloisters | 5,179 | — | 5,179 |
| 5 | Refectory Equipment | 19,057 | 432 | 19,489 |
| 6 | Junior Chemistry Laboratory | 22,902 | 1,452 | 24,354 |
| 7 | Hostels—Initial Expenditure | 15,379 | — | 15,379 |
| 8 | New Laundry, etc. | 4,177 | 276 | 4,453 |
| 9 | Equipment of Engineering Workshop | 5,962 | 38 | 6,000 |
| 10 | Reorganization of College Electricity System | 135,854 | 18,258 | 154,112 |
| 11 | Auxiliary Generating Plant | 17,148 | 1 | 17,149 |
| 12 | New Boilers for Chemistry Department | 7,231 | 2,131 | 9,362 |
| 13 | Steam Lines for New Boilers | 4,601 | 217 | 4,818 |
| 14 | Chemistry Fume Cupboard Extractors | 139 | 5,069 | 5,208 |
| 15 | Chemistry Crystallography Laboratory | 5,328 | — | 5,328 |
| 16 | Arrears of Maintenance, Decoration, etc. | 45,146 | 3,339 | 48,485 |
| 17 | Accommodation for Town Planning Department | 2,197 | — | 2,197 |
| 18 | Tunnel for Electric Supply Cables and Steam Heating Plant | 16,174 | 3,606 | 19,780 |
| 19 | Temporary Furniture Store | 3,128 | — | 3,128 |
| 20 | Phonetics Soundproof Room | 3,168 | — | 3,168 |
| 21 | Animal House | 7,184 | 2,346 | 9,530 |
| 22 | Alterations and Additions to Anatomy Department | 912 | — | 912 |
| 23 | Alterations to Engineering Faculty | 9,751 | — | 9,751 |
| 24 | Chemistry Alterations and Extensions | 29 | — | 29 |
| 25 | Electronic Workshop | 2,519 | 769 | 3,288 |
| 26 | Office Equipment and Furniture | 5,574 | 1,271 | 6,845 |
| 27 | Departmental Apparatus and Equipment | 38,637 | 13,980 | 52,617 |
| 28 | Botany Greenhouse | 447 | — | 447 |
| 29 | War Damage Repairs | 43,991 | — | 43,991 |
| 30 | Reparation of Air Raid Damage—Ramsay Chemical Engineering Laboratory | 17,773 | 1,017 | 18,790 |
| 31 | Miscellaneous Minor Works | 4,791 | 546 | 5,337 |
| 32 | Conversion of Room in Architecture for Botany Department | 3,683 | 110 | 3,793 |
| 33 | 24–26 Gordon Square | 26,684 | 1,437 | 28,121 |
| 34 | Library | 14,277 | 9,717 | 23,994 |
| 35 | Pharmacology Alterations | 1,356 | — | 1,356 |
| 36 | Furniture for New Library | 5 | 962 | 967 |
| 37 | Physics Department—Reinstatement | 2,711 | 17 (Cr) | 2,694 |
| 38 | Egyptology Collection | 5,364 | 6,969 | 12,333 |
| 39 | Telephone Switchboard | 6,639 | — | 6,639 |
| 40 | Lockers | 781 | — | 781 |
| 41 | Foster Court—Soundproofing | 5,205 | — | 5,205 |
| 42 | Gordon Street Cycle Shed and Battery House | 1,650 | — | 1,650 |
| 43 | 17 Gordon Street | 2,609 | — | 2,609 |
| 44 | Chemistry Storage Cupboards | 1,333 | — | 1,333 |
| 45 | Hostels Development Scheme | 20 | — | 20 |
| 46 | Incinerator | 667 | — | 667 |
| 47 | Chemistry Area Vaults | 86 | 3,071 | 3,157 |
| 48 | New Physics Building | 160 | 46 | 206 |
| 49 | Purchase of Property from Bedford Estate—Initial Expenditure | 4,767 | — | 4,767 |
| 50 | Professional Fees—War Damage Claims | 2,100 | — | 2,100 |
| 51 | Superintendent of Works Office | 1,260 | 97 | 1,357 |
| 52 | Squash Court Site | 16 | — | 16 |
| 53 | Botany—New Laboratory | 4,232 | 6,630 | 10,862 |
| 54 | Gymnasium Seating | 354 | 376 | 730 |
| 55 | Fine Art Library | 307 | 393 | 700 |
| 56 | Temporary Accommodation—Removal of Library Books | 71 | 69 | 140 |
| 57 | Preparation of Plans for College Development | 2,195 | 5,792 | 7,987 |
| 58 | Temporary Accommodation | 5 | 3,544 | 3,549 |
| 59 | Chemistry Noise Protection | 534 | — | 534 |
| 60 | Works Department Machinery | 47 | 1,239 | 1,286 |
| 61 | 114–116 Gower Street—Adaptation | 1,106 | 437 | 1,543 |
| 62 | Equipment for Main Building | — | 7,177 | 7,177 |
| 63 | Alterations and Equipment—94–98 Gower Street | — | 3,263 | 3,263 |
| | *Carried forward* | 735,012 | 194,634 | 929,646 |

RECEIPTS

| Item | War Damage £ | College Funds £ | Miscellaneous Sources £ | Capital Grants £ | Total £ | Balance £ |
|---|---|---|---|---|---|---|
| 1 | — | — | — | — | — | 10,104 |
| 2 | 159,088 | — | — | 5,000 | 164,088 | 60,625 |
| 3 | — | — | — | 54,166 | 54,166 | 1 |
| 4 | — | — | — | 5,178 | 5,178 | 1 |
| 5 | — | 3,385 | — | 16,104 | 19,489 | — |
| 6 | — | — | — | 23,197 | 23,197 | 1,157 |
| 7 | — | — | 8,000 | 7,000 | 15,000 | 379 |
| 8 | — | — | — | 4,453 | 4,453 | — |
| 9 | — | — | — | 5,958 | 5,958 | 42 |
| 10 | — | — | — | 136,575 | 136,575 | 17,537 |
| 11 | — | 17,149 | — | — | 17,149 | — |
| 12 | — | 1,000 | — | 7,695 | 8,695 | 667 |
| 13 | — | — | — | 3,770 | 3,770 | 1,048 |
| 14 | — | 417 | — | 4,782 | 5,199 | 9 |
| 15 | — | 1,923 | — | 3,393 | 5,316 | 12 |
| 16 | — | 3,021 | 1,378 | 42,074 | 46,473 | 2,012 |
| 17 | — | — | — | 2,050 | 2,050 | 147 |
| 18 | — | — | — | 12,380 | 12,380 | 7,400 |
| 19 | — | — | — | 3,000 | 3,000 | 128 |
| 20 | — | — | 100 | 2,600 | 2,700 | 468 |
| 21 | — | 1,000 | — | 6,900 | 7,900 | 1,630 |
| 22 | — | — | — | 1,000 | 1,000 | 88 (Cr) |
| 23 | — | — | — | 9,600 | 9,600 | 151 |
| 24 | — | — | — | — | — | 29 |
| 25 | — | — | — | 3,155 | 3,155 | 133 |
| 26 | — | — | — | 6,803 | 6,803 | 42 |
| 27 | — | 2,449 | — | 49,049 | 51,498 | 1,119 |
| 28 | — | — | — | — | — | 447 |
| 29 | 44,112 | — | — | — | 44,112 | 121 (Cr) |
| 30 | 15,197 | — | — | 1,250 | 16,447 | 2,343 |
| 31 | — | — | — | 4,533 | 4,533 | 804 |
| 32 | — | — | — | 3,792 | 3,792 | 1 |
| 33 | 7,744 | 2,000 | — | 17,650 | 27,394 | 727 |
| 34 | 8,100 | — | — | 7,046 | 15,146 | 8,848 |
| 35 | — | — | — | 1,355 | 1,355 | 1 |
| 36 | — | — | — | 902 | 902 | 65 |
| 37 | — | — | — | 2,561 | 2,561 | 133 |
| 38 | — | — | — | 11,422 | 11,422 | 911 |
| 39 | — | — | — | 6,639 | 6,639 | — |
| 40 | — | — | — | 781 | 781 | — |
| 41 | — | — | — | 5,200 | 5,200 | 5 |
| 42 | — | — | — | 1,645 | 1,645 | 5 |
| 43 | — | — | — | 1,950 | 1,950 | 659 |
| 44 | — | — | — | 1,333 | 1,333 | — |
| 45 | — | — | — | — | — | 20 |
| 46 | — | — | — | 667 | 667 | — |
| 47 | — | — | — | 1,127 | 1,127 | 2,030 |
| 48 | — | — | — | — | — | 206 |
| 49 | — | — | — | 4,500 | 4,500 | 267 |
| 50 | — | — | — | — | — | 2,100 |
| 51 | — | — | — | 1,348 | 1,348 | 9 |
| 52 | — | — | — | — | — | 16 |
| 53 | — | — | — | 10,848 | 10,848 | 14 |
| 54 | — | — | — | 700 | 700 | 30 |
| 55 | — | — | — | — | — | 700 |
| 56 | — | — | — | — | — | 140 |
| 57 | — | — | — | — | — | 7,987 |
| 58 | — | — | — | — | — | 3,549 |
| 59 | — | — | — | — | — | 534 |
| 60 | — | — | — | — | — | 1,286 |
| 61 | — | — | — | 467 | 467 | 1,076 |
| 62 | — | — | — | | — | 7,177 |
| 63 | — | — | — | — | — | 3,263 |
| | 234,241 | 32,344 | 9,478 | 503,598 | 779,661 | 149,985 |

PAYMENTS (continued)

| *Item* | *Project* | 1941–50 £ | 1950–51 £ | *Total* £ |
|---|---|---|---|---|
| | *Brought forward* | 735,012 | 194,634 | 929,646 |
| 64 | Chemistry Department Benches and Shelving | — | 1,147 | 1,147 |
| 65 | Demolition of North Bay of Main Refectory | — | 1,220 | 1,220 |
| 66 | Furniture for New Members of Staff and New Accommodation | — | 1,094 | 1,094 |
| 67 | Strengthening of Floors in Foster Court | — | 519 | 519 |
| 68 | Alterations in Biochemistry | — | 432 | 432 |
| 69 | Gower Street Front | — | 6,517 | 6,517 |
| 70 | New Library Building | — | 1 | 1 |
| 71 | Bentham Hall Alterations | — | 7,212 | 7,212 |
| 72 | 115–117 Whitfield Street—Demolition and Fencing | — | 1 | 1 |
| 73 | College Heating—Installation of New Boilers | — | 21 | 21 |
| 74 | New Biological Sciences Block | — | 737 | 737 |
| 75 | Bentham Hall Furnishings | — | 1,446 | 1,446 |
| 76 | Physiology Alterations | — | 313 | 313 |
| 77 | Fitzroy Street Properties | — | 525 | 525 |
| 78 | Miscellaneous Works in Progress | — | 15 | 15 |
| 79 | Preparation of Plans—Schemes not utilized | — | 4,131 | 4,131 |
| 80 | New Engineering Building | — | 5 | 5 |
| 81 | Zoology Research Rooms and Animal House | — | 18 | 18 |
| | | £735,012 | £219,988 | £955,000 |

*Receipts up to 31 July 1950*

RECEIPTS (continued)

| Item | *War Damage* £ | *College Funds* £ | *Miscellaneous Sources* £ | *Capital Grants* £ | *Total* £ | *Balance* £ |
|---|---|---|---|---|---|---|
| | 234,241 | 32,344 | 9,478 | 503,598 | 779,661 | 149,985 |
| 64 | — | — | — | 997 | 997 | 150 |
| 65 | — | — | — | 1,000 | 1,000 | 220 |
| 66 | — | — | — | — | — | 1,094 |
| 67 | — | — | — | — | — | 519 |
| 68 | — | — | — | — | — | 432 |
| 69 | — | — | — | — | — | 6,517 |
| 70 | — | — | — | — | — | 1 |
| 71 | — | — | — | — | — | 7,212 |
| 72 | — | — | — | — | — | 1 |
| 73 | — | — | — | — | — | 21 |
| 74 | — | — | — | — | — | 737 |
| 75 | — | — | — | — | — | 1,446 |
| 76 | — | — | — | — | — | 313 |
| 77 | — | — | 525 | — | 525 | — |
| 78 | — | — | — | — | — | 15 |
| 79 | — | — | — | — | — | 4,131 |
| 80 | — | — | — | — | — | 5 |
| 81 | — | — | — | — | — | 18 |
| | £234,241 | £32,344 | £10,003 | £505,595 | £782,183 | £172,817 |
| | *£144,539* | *£16,991* | *£9,478* | *£375,873* | *£546,881* | *£188,131 (Balance)* |

## LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

| *1949–50* £ | | £ | 1950–51 £ | £ |
|---|---|---|---|---|
| | COLLEGE GENERAL CAPITAL ACCOUNT | | 826,126 | |
| | *Add* Capital Grants: | £ | | |
| | Bentham Hall (31–34 Cartwright Gardens) | 22,500 | | |
| | 115 and 117 Whitfield Street | 2,950 | | |
| | | | 25,450 | |
| | | | 851,576 | |
| | *Less* Transfer to Appropriation Account | | 2,079 | |
| *826,126* | | | 849,497 | |
| | MORTGAGE LOANS | | | |
| | Gordon Street Frontage—Prudential Assurance Co. Ltd | 50,000 | | |
| | *Less* Principal repaid to date | 12,152 | | |
| *39,927* | | | 37,848 | |
| | Seamen's Hospital—Equitable Life Assurance Society | 44,000 | | |
| | *Less* Principal repaid to date | 11,530 | | |
| *36,457* | | | 32,470 | |
| | TREASURY LOAN FOR COLLEGE FLATS | 39,500 | | |
| | *Add* Accrued Interest capitalized | 1,445 | | |
| | | 40,945 | | |
| | *Less* Principal repaid to date | 2,192 | | |
| *39,650* | | | 38,753 | |
| *127,650* | TREASURY INTEREST-FREE LOAN FOR GOWER STREET AND GORDON SQUARE PROPERTIES | | 127,650 | |
| *1,069,810* | | | | 1,086,218 |
| | SUNDRY FUNDS | | | |
| *1,837* | Loan Funds | | 1,791 | |
| *38,959* | Reserve Funds | | 34,257 | |
| *99,216* | Special Funds | | 68,795 | |
| *39,351* | Unexpended Balances | | 36,359 | |
| *179,363* | | | 141,202 | |
| | APPROPRIATION ACCOUNT | | | |
| | General | 17,258 (Cr) | | |
| | Medical | 12,479 (Dr) | | |
| | Social Sciences | 817 (Cr) | | |
| *1,954* | | | 5,596 | |
| *181,317* | | | | 146,798 |
| | CURRENT LIABILITIES | | | |
| *120,000* | *Loan from University on Account of Court Grant, 1950–51* | | — | |
| — | Bank Overdraft | | 117,784 | |
| *44,207* | Creditors and Accrued Expenses | | 52,349 | |
| *2,169* | Fees in Suspense | | 1,741 | |
| *166,376* | | | | 171,874 |
| | SUPERANNUATION FUNDS | | | |
| *472* | *Held on behalf of Beneficiaries* | | | — |
| *19,324* | REDEMPTION FUNDS | | | 26,412 |
| *1,437,299* | | | | 1,431,302 |
| *1,033,221* | TRUST FUNDS: LIABILITIES AND CAPITAL | | | 1,044,479 |
| *£2,470,520* | | | | £2,475,781 |

We have examined the above Balance Sheet as at 31 July 1951, and vouchers relating thereto, and certify them as being properly drawn up

3 Frederick's Place, Old Jewry, London EC2
26 November 1951

## ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

| *1949–50* £ | | | 1950–51 £ | £ |
|---|---|---|---|---|
| | COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, LIBRARY, etc., being the Land with the Buildings of the College | | | |
| *743,850* | General Properties | | 743,850 | |
| *82,750* | Gordon Street Frontage (25–28 Gordon Square and 3–23 (odd) Gordon Street) | | 82,750 | |
| *47,827* | 1, 3 and 5 Hornton Street | | 47,964 | |
| *525* | *Fitzroy Street Properties (Preliminary Expenditure)* | | — | |
| *4,850* | *33 Broadhurst Gardens* | | — | |
| *93,032* | Seamen's Hospital | | 93,032 | |
| *127,650* | Gower Street and Gordon Square Properties (88–98 (even) Gower Street and 16–24 Gordon Square) | | 127,650 | |
| — | 115 and 117 Whitfield Street | | 3,006 | |
| *1,100,484* | | | 1,098,252 | |
| — | *Less* War Damage Compensation on "Hawarden Castle" and Gordon Street Frontage | | 18,976 | |
| | | | 1,079,276 | |
| | COLLEGE LEASEHOLD PROPERTY, FURNITURE AND EQUIPMENT | | | |
| *16,082* | 37 and 38 Nevern Square | 13,542 | | |
| *45* | *Less* Leasehold Depreciation | 92 | | |
| *16,037* | | 13,450 | | |
| — | Bentham Hall (31–43 Cartwright Gardens) [*Lease expiring 24 June 1960*] | 22,710 | 36,160 | |
| *16,037* | | | | 1,115,436* |
| | REHABILITATION AND DEVELOPMENT ACCOUNT | | | |
| *188,132* | Payments, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action | | | 172,817* |
| | * *The values at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage claims for properties destroyed and damaged.* | | | |
| | GENERAL COLLEGE FUNDS | | | |
| *73,272* | Investments, at Book Value [*Market Value at 31 July 1951—£62,206*] | | | 72,715 |
| | CURRENT ASSETS | | | |
| *12,178* | Cash at Bank: Main Building Retention Account | | 15,650 | |
| *5,531* | Stores | | 12,505 | |
| *5,249* | National Insurance Stamps | | 6,086 | |
| *7,242* | Refectory Advances | | 4,881 | |
| *28,695* | Debtors and Payments in Advance | | 30,607 | |
| *58,895* | | | | 69,729 |
| | SUPERANNUATION FUNDS | | | |
| *92* | *Investments, at Book Value* | | | — |
| | REDEMPTION FUNDS | | | |
| *387* | Investments | | | 605 |
| *1,437,299* | | | | 1,431,302 |
| *1,033,221* | TRUST FUNDS: ASSETS | | | 1,044,479 |
| £*2,470,520* | | | | £2,475,781 |

relative Income and Expenditure Accounts with the books, accounts and and in accordance therewith.

(Signed) PRICE, WATERHOUSE & CO.
*Chartered Accountants*

# *The Assembly of the Faculties, 28 June 1951*

CHAIRMAN

THE RT HON. LORD NORMAND, LL.D.
*Chairman of the College Committee*

SPECIAL VISITOR

PROFESSOR SIR CHARLES WEBSTER, K.C.M.G., LITT.D., M.A., F.B.A.

## REPORT OF THE PROVOST ON THE SESSION 1950–51

My Lord Chairman:

We are glad to have among our company this afternoon Dr Ifor Evans, the Provost-Elect of the College, and Mrs Evans. This is the first public occasion on which we have had them with us and, on behalf of the whole College, I am happy to have this opportunity of extending to Dr and Mrs Ifor Evans a most cordial welcome to our midst. As you will all know, Dr Ifor Evans is no stranger to us, for he was a student here from 1917 to 1922 and has been a Fellow of the College since 1934.

Losses from among our Professors this year are heavier than usual for apart from certain moves, one to Oxford and one to Cambridge, we are to lose no less than four of our senior Professors on retirement under the age limit. Professor D. M. S. Watson, our senior Professor, will retire from the Jodrell Chair of Zoology after holding it for thirty years, and Professor Sisson leaves the Northcliffe Chair of Modern English Literature which he has held since its foundation in 1928. Professor H. E. Watson retires from the Ramsay Chair of Chemical Engineering to which he was appointed in 1934. Professor A. V. Hill was first appointed to the Jodrell Chair of Physiology in 1923, and later was appointed to the Royal Society's Foulerton Chair which he has held since 1925. During his distinguished tenure of this Research Chair he has been largely responsible for the establishment of the new science of Biophysics. I must also mention four other retirements after long service with the College, namely that of Mr H. J. Evans who was first appointed to the staff of the Chemistry Department in 1918, of Mr Berwick Sayers who has been on the staff of the School of Librarianship since its foundation thirty-two years ago, of Mr Webb of the Engineering Faculty who has been with us for thirty years and of Mr Johnson who was a senior member of the Library staff for twenty-eight years.

In addition to these retirements we have also to bid farewell to three Professors and three Readers who are taking up posts elsewhere: to Professor A. H. M. Jones on his appointment to the Chair of Ancient History at Cambridge, to Professor Černý who goes to the Chair of Egyptology at Oxford. To Professor Lockwood we offer our affectionate congratulations on his appointment as Master of Birkbeck College. Mr Bindoff of the History Department who, as a student and member of the staff has been at University College for twenty-five years, now leaves us on his appointment to the Chair of History at Queen Mary College. Mr Bates of the Physics Department has been elected to the Chair of Applied Mathematics at Queen's University, Belfast, and Dr Andrew Wilson to the Chair of Pharmacology at the University of Liverpool. From all of them we shall part with regret and offer them our warm good wishes for the future.

The reverse of this tale of losses is, however, a most heartening one. At the beginning of the session we were able to welcome Professor Leonard Forster to the Chair of German; to the Chair of Psychology, Professor Roger Russell; and to the newly-established Chair of Jurisprudence, Professor Glanville Williams. In addition, the title of Professor of Papyrology was conferred upon Mr Eric Turner. Following that, in January last, Professor Brailsford was appointed to the second Chair of Electrical Engineering, and last month Professor Thompson came to fill the Chair of Surveying and Photogrammetry which had been vacant since Professor Hart's resignation in March 1950.

Unfortunately it has not yet been possible to fill the Goldsmid Chair of Applied Mathematics, left vacant by Professor Massey's move to the Quain Chair of Physics in October 1950. A new Chair, closely related to the Goldsmid Chair, is that to be known as the Perren Chair of Astronomy which has recently been established at University College. This Chair, provided by an endowment under the will of Mr F. Perren, will revive the earlier association of University College with the research and teaching of Astronomy in London. Besides holding the Chair at University College the new Professor will be Director of the University Observatory at Mill Hill.

To replace our losses this coming September the list of new appointments is almost complete. Professor Medawar of the University of Birmingham has been appointed to the Jodrell Chair of Zoology, Dr Momigliano from the University of Bristol to the Chair of Ancient History, Dr Otto Skutsch of the University of Manchester to the Chair of Latin. Professor J. R. Sutherland will return in October to our English Department, where he was Senior

Lecturer until 1936, as Lord Northcliffe Professor of Modern English Literature, and Mr M. B. Donald of our own Department of Chemical Engineering succeeds Professor H. E. Watson in the Ramsay Chair. Dr Bernhard Katz will succeed Professor A. V. Hill as Head of the Biophysics Research Department next January and will hold the newly established University Chair of Biophysics. It has not yet been possible to appoint a successor to Professor Černý in the Chair of Egyptology.

Mr John Whitfield was appointed to a Readership in the Department of Psychology last October and Dr Burhop moved from a Readership in Mathematics to one in Physics. I am glad also to be able to announce that the title of Reader has been conferred during the session on the following: Mr Abercrombie (Embryology), Mr Bates and Dr Buckingham (Physics), Dr Bowley (Political Economy), Mr Jessop (Civil Engineering), Dr Kaberry (Anthropology), and Mr Smailes (Geography).

Two new senior members of the administrative staff have joined the College since my last report—our new Bursar, Mr E. H. Swain, and Mr G. N. White, the Deputy Accountant.

There has been this session a welcome expansion in the number of visiting American scholars under the Fulbright Scheme. As compared with one Professor who spent the session at University College in the previous year, we have been able to welcome Professor Cromwell of the University of Nebraska, who has been attached to the Chemistry Department, and Professor Margaret Hastings of Rutgers University in the History Department, and in addition seven American postgraduate students. Two other American visitors, although not under the Fulbright Scheme, have been Professor Richmond Bond of the University of North Carolina, who has spent the session in our English Department, and Professor Grene of the University of Chicago, who has been an honorary member of the staff of the Department of Greek. We warmly welcome these American contacts and I am happy to say it is not entirely a matter of one-way traffic. Dr Quirk of the English Department will be spending next session at Yale and Michigan Universities as a Commonwealth Fellow.

The academic staff of the College (including sixty-six honorary members) now numbers some 470 of whom forty-six are Professors and forty-five Readers. I have, with great regret, to announce our loss through death of three members during the session: Professor Sugden of the Department of Chemistry, who died on 20 October last, Mr Cornish, Lecturer in Geography, who died on 19 March

and Mr Neil of the Civil Engineering Department who died on 9 May.

The representation of the academic staff on the College Committee has changed substantially during the session. Professor Webster, Professor Glanville Williams, Professor Hollingworth, and Professor Lloyd-Evans having succeeded Professors Neale, Keeton, Pearsall, and Barlow in their respective Faculties. Another important administrative change is that during the past session the College has implemented the recommendation of the University Inspectors in the Faculties of Arts and Science and has appointed three professorial and one non-professorial representative of the academic staff on the Finance Sub-Committee of the College.

Among the many honours and distinctions conferred upon Professors of the College during the session are two more Honorary Doctorates of Science—those of Liège and Johns Hopkins Universities—which Professor A. V. Hill adds to his already long list. He has also been made a Foreign Associate of the National Academy of Medicine in Paris. An Honorary Doctorate has been conferred on Professor Ingold by the University of Oslo. Professor Haldane has been made a Corresponding Member of the German Academy of Sciences in Berlin, Professor Pearsall has been made a Corresponding Fellow of the Swedish Phytogeographical Society and Professor Humphreys has been elected a Corresponding Member of the Sociedad Peruana de Historia and a Consultative Member of the Comision de Historia of the Instituto Panamericano. Professor Neale has been Creighton Lecturer in the University of London for the current session and Professor J. Z. Young has delivered the Reith Lectures of the B.B.C. Professor Webster has been elected President of the Hellenic Society for 1950–52. He has also been elected a member of the Vetenskaps-Societeten i Lund of Sweden. Professor Dingle has been elected President of the Royal Astronomical Society for 1951 and has delivered the Boyle Lecture of the University of Oxford. The Longstaff Medal of the Chemical Society has been awarded to Professor Ingold, and the Weldon Memorial Prize of the University of Oxford to Professor Penrose. Professor Allen has been appointed a member of the Monopolies and Restrictive Practices Commission, and Professor Pearson of the Safety in Mines Research Board. In addition the title of Professor Emeritus in the University of London has been conferred on Professors Sir Cyril Burt, Kapp, and Willoughby.

Visits by members of the staff to international conferences and congresses are now becoming too many to enumerate and I will,

therefore, restrict myself to mentioning those Professors who have been invited to lecture at foreign universities or have visited their research departments during the session. Professor Ingold spent the Autumn Term at Cornell University, where he delivered the Baker Lectures, and Professor Holford was Visiting Professor of Regional Planning at Harvard at the same time. Professor Holford has also been invited by the Prime Minister of Australia to attend the Regional Planning Congress in Canberra in August and to visit Australian Universities and Professional Institutes. Professor Ayer has lectured at the Universities of Paris, Lille, Brussels, and Liège. Professor Haldane has lectured at the University of Liège. Professor A. V. Hill has visited America, and Professor Winton is spending the summer visiting Universities in Jamaica and in the United States. Professor Webster visited the University of Oslo in April and is at this moment lecturing to the Danish Classical Association in Aarhus. Professor Lonsdale has lectured at Barcelona and Zürich, Professor Russell at Goëttingen and Würzburg, and Professor Davenport at Stanford University, California. Truly it may be claimed that the influence of the College in the field of scholarship is world-wide.

Visitors from abroad have again widened the scope of our Public Lecture programme. They have come from Rome, Ostia, Pisa, and Naples; from France, Austria, Sweden, and the Belgian Congo; and, above all, from the United States of America—from Yale, Harvard, Cornell, Princeton, New York, Syracuse, Chicago, North Carolina, and Smith College, Massachusetts. Several of the College's endowed lectures have been given this session. The Barlow Lectures on 'Dante as a Political Thinker' by Professor d'Entrèves; the first Chambers Memorial Lecture by Professor Sisson; the Commonwealth Lectures by Dr Constance Green, Chief Historian to the Ordnance Corps of the United States Army; The Newmarch Lectures on 'Economic Problems in a Statistical Setting' by Mr W. B. Reddaway of Cambridge; and the Lord Northcliffe Lectures on American Literature by Professor Kenneth Murdock of Harvard University. Professor Rowley, of the University of Manchester, lectured on 'The Study of the Old Testament To-day'. In addition, six of our own Professors have delivered Inaugural Lectures this session and there have been thirty-four of our series of Lunch Hour Lectures.

In the series of Special University Lectures thirteen courses or single lectures have been delivered at this College, as well as many public lectures arranged by our own departments. In all ninety-five

courses or single lectures have been delivered making a total of 160 public lectures during the session.

On 24 and 25 January last the College was inspected by the University Grants Committee. These University Grants Committee Visitations take place every five years, and the College authorities, in addition to showing the visitors as much of the academic work and the present state of the buildings as was permitted by the time available, laid before them the College's plans for the coming quinquennium 1952–57. Since the last visit of the Grants Committee in 1946 progress has been made with our permanent rebuilding programme. What we then outlined to the University Grants Committee as our first major building project is now almost complete. The General Library and the Upper Refectory were both restored and ready for occupation at the beginning of this session and we have found it a most heartening experience to have these two buildings of dignity and character in general use once again. Not only has this central part of the Main Building been in use since October last but, throughout the session, that part of the Main Building south of the dome has also gradually been occupied for academic purposes. The Council and Committee Rooms and parts of the Geology and Psychology Departments have been transferred to this building, as have also the Library Offices and, on the second floor, the Departments of Latin, Greek, Italian, and Ancient History have now found more worthy accommodation. Their transfer, as also that of the Department of History to Gordon Square, has helped other Arts Departments by relieving the serious overcrowding in Foster Court. Before the beginning of next session we shall have taken into use the main building to the north of the portico and here we hope to provide common rooms on the ground floor and further accommodation for Library and Arts Departments above. The north junction is well under way, and preliminary work has started on the south junction. Preparation for this latter building has unfortunately entailed the demolition of the end of the South Wing and a corner of the Students Refectory—accommodation which we could ill spare.

It is a matter of great satisfaction that at last we have been able to complete a gallery where the unique Flinders Petrie Egyptological Collection can once again be made available for teaching and research. A situation over the College power station and boiler house is not one that suggests itself for the exhibition of works of art, nor will it be the ultimate resting place of the Collection. Until we have our Arts Wing, with a superbly lighted gallery on the top

floor, this sojourn of our precious Collection in its 'half-way house' will serve as a stimulus towards the completion of the South-East Quadrangle.

Our next major building project is the provision of a new Physics Laboratory running eastwards from the north junction. On this we hope to see a start made any day now, but difficulties in regard to licences and finance still hedge us about. The next two stages in our permanent rebuilding programme after the Physics Laboratory, namely the block to house Biological Sciences and the first stage of the new Library Building, are as yet still in the planning stage.

Happily there are some aspects of the re-establishment of the College in its leading position among academic institutions which are not subject to licences that are only obtainable on the bended knee from a government office. I refer to the re-establishment of our intellectual prestige. That depends in large measure upon the tradition of research and scholarship handed down to us by our predecessors and, apart from that, largely upon our own efforts. During the first quarter of the present century and continuing into the last two decades, the College had been through a period of unparalleled activity in almost every Faculty. In Arts there were Platt, Ker, and Chambers; in Science and Medical Sciences, Ramsay, Bayliss and Starling; in Engineering and Law, Ambrose Fleming, Murison, and Amos. Undoubtedly it was an astonishing generation and it was inevitable that its passing should leave a sense of vacuum for those who remember it. I do not suggest that there are lacking in the present generation successors of equal eminence to those men of the past whose names I have mentioned; but, when the College returned to London after its evacuation into seven different centres lasting for six years, we found ourselves with fourteen vacant professorial chairs, and, for the filling of these, a field depleted by two world wars. It was inevitable that there should be a feeling abroad that it was idle to hope that the future of the College could rival its great past.

Now, I suggest, we have rounded that corner. In the last eight years we have made no less than thirty-eight new professorial appointments, and I do not believe the College will have reason to regret a single one of them. The names of the golden age live on, of course, each with the memories of individual qualities, but I dare to suggest that we have with us in the College at this time men and women capable of building a no less golden age; men and women who, in their time, will come to be looked upon as a no less remarkable collocation of distinction. I can count at this moment ten or

more men, now on the staff, either already world-renowned or such as one expects in due time to see in that category. Of course we shall lose some of them from the staff, but we can take pride in them, none the less. We can take pride, too, in University College as a nursery of scholarship. In History alone, no less than twelve Professors appointed to chairs in universities of Great Britain during the last twenty-three years have at an earlier stage of their career been on the staff of University College.

Our student numbers are little short of last year. They now stand at 3,493 which includes the record number of 731 postgraduate and research students. The number of our students from overseas has increased by nearly a hundred this session. It is now some 603, of whom 276 come from countries of the Commonwealth.

The problem of finding suitable living accommodation for students in London is hardly less acute, although some progress has been possible. Of our women students at University College some 35 per cent are living in lodgings and 20 per cent in Halls of Residence, the remainder living at home; but, of the men, no more than 4 per cent can find accommodation in Halls of Residence as compared with 45 per cent in lodgings. The College has recently taken a lease of thirteen houses in Cartwright Gardens, the repair and refitting of which as Bentham Hall for men students will provide 150 places; but, not until we are able to build on our fine site near Fitzroy Square, can we hope to approach our target of the provision of hostel accommodation for 1,000 students in the immediate vicinity of the College buildings.

The Student Health Association has again been active this session. More part-time medical staff has been appointed, including a woman doctor, Dr Margaret Withof-Keus. The Association welcomed a request received from the Royal Veterinary College and the London School of Hygiene and Tropical Medicine that its services should be made available to their students. This has been done and the arrangement works well.

Both the number and activities of student societies increase from year to year, and with them increases my difficulty in singling out any particular points to mention on an occasion such as the present. Among the sports clubs, the success of both the men's and women's Boat Clubs calls for special mention. The former has won the University Winter Eights Cup and the Allom Cup and the latter won the finals of the Winter Fours Regatta, the Bristol Regatta, the Eights and Novice Fours in the Head of the River Regatta, and the Novice Fours at the Weybridge Regatta. The College Boat Club

has a strenuous month ahead of it. The First Eight has been invited to take part in an international regatta at Copenhagen, besides competing at Henley, and the Second Eight will be competing in the Utrecht Regatta. To each of the boats we wish the best of luck in their races both at home and abroad.

The Dramatic Society produced 'Granite' as their Christmas Play, 'The White Devil' during Foundation Week, and are this afternoon playing 'Ralph Roister Doister'. The Debating Society has had a successful session and had as its guest speakers at the Foundation Debate, Lord Strabolgi, and Mr Harvey, M.P. The Music Society in addition to its many regular activities has broken new ground this session by its first production of opera. Most successful performances of 'Dido and Aeneas' and 'Bastien and Bastienne' were given last February. Recently it has been possible to give the Music Society the second floor flat in one of the Gower Street houses and it is hoped that these rooms will afford them much needed practising space. The rooms were officially opened last Monday when a short concert was given. The youngest of the four associated societies of the Union, the Film Society, having made a film of last year's Assembly of Faculties, has decided, not without some relief for those on the platform, that this function is no longer 'news' and is seeking other fields for its activities. Its shots entitled 'You and the Union' were a valuable feature of the Freshers Conference organized by the Union on the opening days of the session, to introduce new students to the College. College societies have taken a most active part during the session in the organization of functions in aid of the University of London's Tuberculosis Appeal, itself part of the larger campaign sponsored by the National Union of Students to provide a Tuberculosis Sanatorium for students in Great Britain.

The Provost then announced the names of the Chief Scholars, Medallists, and Prizemen.

## THE CHAIRMAN

Mr Provost, Ladies, and Gentlemen:

It is now my duty to welcome to the College our Special Visitor, Sir Charles Webster.

As you know, he is Professor of International History at the London School of Economics. Not only has he made an academic study of History, he took the precaution of taking part in the making of History in which he is a Professor, and he has made an important

contribution to modern politics at the Dunbarton Oaks Conference and at San Francisco and in the Preparatory Commission and General Assembly of the United Nations.

## SIR CHARLES WEBSTER

### Special Visitor

My Lord Chairman, Mr Provost, Ladies, and Gentlemen:

I do not know exactly what your feelings may be on this occasion, but let me begin by a confession that for me it is a considerable ordeal. I remember very well my own attitude at your age towards those who addressed me on the more important issues of life and conduct. It was one of scepticism and suspicion. The habits, outlook, and scale of values of people over sixty years of age seemed to me far removed from my own hopes, ambitions, and predelictions. I summed up this attitude when I spoke to your Historical Society a little while ago in an irreverent rhyme which I would not for worlds repeat on this august occasion.

We would all agree, however, that we can obtain much technical knowledge from those who have devoted a large part of their time and energy to some particular aspect of life, even though some of it may be demoded and unsuited to our own purposes. It is for the young to exploit experience and get out of it all they can for their own needs. I would not have you conclude that I ever thought otherwise. In the Cambridge of my youth the Regius Professor of Modern History seemed a very remote figure. The great majority of undergraduates did not know that he existed. Only half a dozen attended his lectures, of whom I was one. But he was by statute compelled to be in his rooms for consultation one hour a week. He was certainly startled and alarmed when one day I entered with a carefully prepared list of questions in my head. I do not believe that any undergraduate had ever done such a thing before, but his natural kindness soon enabled him to recover from the shock, to my very great advantage. I also followed part at any rate of Dr Johnson's advice. 'He advised me when abroad', Boswell records, 'to be as much as I could with the Professors in the Universities and with the Clergy, for from their conversation I might expect the best accounts of everything in whatever country I should be with the additional advantage of keeping my learning alive.' And indeed my visits to Schiemann, Fournier, Přibram, Marczali, Friedjung, Mitrofanoff, and others on the Continent when I was a young man, gave me much precious information and insight into the methods of men who were

regarded as the masters of the subject in which I was trying my prentice hand.

But I confess that I did not trust in the same way what they said on the larger issues of life and politics. I think I learned more about the real attitude of the German, Austrian, Hungarian, and Russian peoples from the unguarded conversation of my contemporaries; and certainly a good deal more about morals and faith, virtue and wickedness, and the eternal conflict between appetite and aspiration.

But you would not wish me to speak now on the technical aspects of my own work. The expression of a point of view even if it has no other merits, often enables one to clarify ones own thoughts, especially if the speaker is severely limited in time. I propose, therefore, to lay before you some reflections on the nature of the society in which we now live and in which you have begun to take an active part. Some people would commiserate you in the necessity. But I am certainly not one of them. On the contrary I think that you are greatly to be congratulated on getting yourselves born into a world that is so exciting and so full of great opportunities. It is of course quite true that an age of violent revolution such as we now contemplate brings with it great dangers, and men, especially those who possess wealth, position, and power, often long for a more static society. Metternich, for example, who saw a great political change coming upon his world, frequently said that under an established democracy he would willingly live, but the passage to one is a fearful transition from which he would escape. Britain, he thought, in the 1830's was bound to have a much more painful time in the immediate future than France which had already, as he put it, 'had her national bankruptcy'. Yet we know that our forefathers found the means of passing gradually from an aristocratic régime, which, if it was checked by law and custom from the excesses of many of its contemporaries on the Continent, yet had kept power almost completely in its own hands, to the full political democracy of today, without revolution or civil war in Britain, though of course some of its worst manifestations occurred in Ireland. Nor does experience show that where societies have ceased to change the happiness and welfare of mankind has increased. 'It is exactly this characteristic of progressiveness, be it from worse to better or from better to worse', wrote A. N. Whitehead—once a teacher in University College—'that discriminates communities of mankind from communities of insects', and we may be glad therefore of his conclusion that 'it is possible that in future ages mankind may relapse into the stage of stable societies', but that

'such a relapse is extremely unlikely within any span of time which we need take into account'.

These words were written many years before the release of atomic energy was an accomplished fact. This marvellous discovery, which seems to me the greatest triumph of the human intellect, was only made possible by a process of international co-operation. But its practical application would have been long delayed if it had not been for the combative instincts of mankind, and its first use has been for destruction. Many people have come to fear that it will destroy our civilization, whatever that phrase may mean. This fear is, I believe, an exaggerated one, but it may be that the existence of this tremendous power of destruction will be a main deterrent against another world war. Some people think that it has already acted in this way.

But there are also in this new source of power great possibilities for increasing human welfare, even though many years must elapse before the means can be found to obtain them. To control and neutralize its destructive force and at the same time to discover the means to avail ourselves of its constructive potential is perhaps the major technical problem of the world to-day. But there is no reason to suppose that this problem cannot be solved if the will to do so and the moral basis on which the will must rest be preserved.

It is on this last factor, in my opinion, that our future depends more than upon any development in science or technology. Though it may seem that our external danger has grown with each of the three great world wars of the last 150 years, the fact remains that we seemed nearer to defeat in the first than in either of the two last. In the wars against the French Revolution and Napoleon many of the most important British statesmen despaired of victory and were ready to accept the domination of France on the Continent of Europe. The internal situation was such that it seemed impossible that the unity necessary to survive could be obtained. There were mutinies in the fleet and almost an uprising among the labouring classes. In the war of 1914–18 there was far greater unity of purpose, but there were moments when it seemed possible that it would not endure to the end. In the third world war none of these things occurred except in its early stages from a small minority which received its orders from Moscow. If the immense changes in technology and ideas have transformed the world, they contain elements of hope as well as of risk. They have already reduced the great burden of toil borne for long centuries by the mass of the people. It is true that in strategy and economics we are confronted with problems of the greatest perplexity. But we have never before in our history had

such powerful allies. We have never been able to produce so much. And certainly we have never been so aware of our duties to one another as we are to-day, or made such efforts to carry them out.

For, as you are aware, we in this country are experiencing a social revolution which has altered and is altering at a rapid pace our environment, habits, and manners. We have accepted new principles for the sharing out of the national dividend, which are transforming the relations between the various classes. Such transformations have occurred before in other states. The particular merit of the present revolution is that, like that of 1832, it has been accomplished without violence by the exercise of a majority vote through parliamentary institutions. Characteristically, but little change has been made in the shape of these institutions themselves. A broadening and simplification of the franchise, carrying to its logical conclusion a process begun 120 years ago, and a readjustment in the relations between the two Houses of Parliament is all that has been attempted. For by and large the change has been accepted by all classes in the state. One of the pioneers of the process stated long ago what was necessary. 'No great transformation', wrote Mrs Webb in 1895, 'is possible in a free democratic state like England unless *you alter the opinions of all classes of the community*—and, even if it were possible, it would not be desirable.'

There is, of course, much disagreement on the manner in which this transformation has been carried out, and party politics endeavour to elevate these controversies into questions of principle. But the process seems to me very much like that which ensued in Britain during the ten years after the introduction of the Reform Bill. By the end of it the Whigs were stressing the conservative nature of their recent activity and the Tories had accepted all its implications, whatever Radicals and diehards might say. In fact a revolution had taken place which made possible without recourse to violence the evolution of complete political democracy in Britain.

The analogy with the present position is, of course, far from complete. A social revolution raises more problems than a political one. Events move so much more quickly now than a hundred years ago that it is more difficult to grasp their significance and obtain the appropriate action. And in addition the fundamental beliefs of this country have also been transformed by the new scientific knowledge. That process had already begun in the 1830's, but it took a long time to penetrate throughout all classes of the community. It is yet uncertain how far the necessary adjustment can be made in metaphysics without impairing the ethical basis of society on which

in the long run all future progress must rest. But, in spite of much that is disturbing in all social classes, there is, I suggest, much also to show that the moral fibre of the British people is as healthy as it ever was. At any rate its courage, energy, and tenacity have been abundantly tested in two world wars. The British Commonwealth is, in fact, the only community which fought them both successfully from start to finish. I cannot see any evidence that the people of Britain have been unduly uplifted by this great achievement. They are, indeed, at this moment paying other peoples who did little or nothing to preserve their own freedom, for the privilege of having defended them. There is certainly much less cant and sham in our society than there was fifty years ago. Religious observance, where it exists, is a living thing and not a social necessity. If the more formal recognition of spiritual values has visibly declined there is, I believe, intense and widespread desire to discover their meaning and validity. If the new freedoms have sometimes degenerated into license, the British people have on the whole accepted the responsibilities that come with them. These things are exceedingly difficult to evaluate, but I believe that the charge recently made against the universities that they neglect the ethical basis of their studies is entirely untrue. On the contrary, teachers and students are far more preoccupied with it than I ever remember—and none more so than the teachers of the natural sciences. Ethics, economics, and science are not kept in watertight compartments. The attempts to discover the causes of the rise and fall of civilizations, however unsatisfactory in themselves, show the interest of the public. The new science of sociology points in the same direction. If it sometimes seems to me, as an old-fashioned historian, that great conclusions are propounded on inadequate evidence, I recognize the absorbing and exciting nature of these inquiries.

And, of course, we all know that, as never before in our history, our future is bound up with that of the rest of the world. This recognition of the interdependence of all peoples, which is now held in various degrees of intensity in all countries, is the result of technological advances of the last 150 years. Like many others, I have spent a considerable amount of my life in attempting to discover means by which machinery could be set up to enable this fact to be accepted, without recourse to universal violence. The two world wars have shown the measure of our failure. The problem is still with us in so acute a shape that it affects all our way of life and clearly has in it possibilities of the greatest danger. The attempt to solve it and at the same time build up a new society, a problem

which is part of it, for each depends on the other, seems to me one of the most exhiliarating and exciting challenges that has ever been offered to any generation of mankind.

Many people may have thought that the creation of the United Nations would in itself solve the problem and enable different nationalities and different ideologies to live and experiment side by side without too much difficulty. But that certainly was not the opinion of those who had the greatest share in bringing it into existence. Like the League of Nations it was formed to enable the most powerful states of the world to perform their inevitable task of leadership and control, inside an international organization provided with the necessary organs of action, and according to agreed purposes and principles. There was of course no question as to the acceptance of these limitations and obligations by Britain. But the previous isolationism of the United States and the record of ideological warfare of the Soviet Union necessarily caused us to wonder whether they would carry out the purposes which they both professed at the end of the war. We have had a surprising success and a devastating failure. The United States has been as much in front of our expectations as the Soviet Union has been behind them. The result has been the division of the world into two camps and a cold war has begun which in Asia has developed into a very hot one. The amazing recovery made in this country and Western Europe after the devastation of the last war has been hampered and delayed by the necessity of facing up to this new and menacing challenge to all our beliefs and aspirations.

I do not want to minimize the dangers that confront us or the regret that we must all feel that the world organization has not been able to function in the manner in which it was intended to do. But it may be that the energy and resolution produced by the threat to the very existence of the free nations will, in the long run, bring into being a more effective international machine and a better distribution of the resources of the world than could have been obtained by any less painful process.

For it is of course absurd to think that other states would have displayed the same zeal to maintain international peace and security and to promote the welfare of other peoples if it had not been for the immediate danger that confronted them. By making effective international co-operation a necessity, the Soviet Union has driven other states to sacrifices of national sovereignty which they certainly would not otherwise have contemplated. In other circumstances the people of the United States could hardly have been induced so soon

to take up the position of leadership which they have assumed, and to give their riches and more recently the lives of their citizens for the welfare and defence of other peoples. Nor would we in this country have taken up with such energy the development of our colonial territories, the provision of educational and social amenities, and, where possible, the hastening of self-government, had it not been for the challenge from outside. 'Communism', wrote Barbara Ward recently, 'is in a real sense the conscience of the West.'

The result has been to broaden and deepen our conception of world society. It is now recognized that collective security is not enough. To it must be added collective welfare and collective freedom. The expanding economies of the most advanced states must be used to raise the standard of living of more primitive communities. These must be taught as rapidly as possible to govern themselves and to obtain the advantages and responsibilities of free peoples.

There is no doubt much that is extravagant and absurd in these aspirations. Men cannot be endowed with the capacity of self-government by disseminating charters of human rights or providing paper constitutions. The record of democracy is full of disastrous failures even in Western Europe. It cannot be simply exported to Asia and Africa like cotton goods or cutlery. Some of the experiments already made there have shown how shocking its consequences can be if it be instituted without due regard to the material and moral condition of the countries in which it is applied. In some it merely provides the machinery by which a gang of corrupt politicians maintain themselves in power. We are in a specially vulnerable position because we have for a long period developed the resources of the African and Asiatic Continents in order to raise our own standard of living as well as that of the native inhabitants. But in our own colonial Empire, where we have endeavoured to lay the foundation of democracy in technical assistance and educational development, there has been much steady progress in recent years. The increase in health is amazing and if literacy has to grow more slowly, the change there is also a remarkable one. One advance in which our own University has played an important rôle, is the establishment of new university colleges which are given the same rights of self-government and freedom to write and teach which we ourselves cherish as one of the bulwarks of our own liberties. These new developments will test our resource and purpose even more than the task already accomplished in the Indian sub-continent by which India and Pakistan have become democratic self-governing states in so short a period of time.

At any rate, I think that we have become aware in this country of two things about our own freedoms, which perhaps before the great events of our own time were only in our sub-consciousness. The first has been well stated in an aphorism of Mr Somerset Maugham: 'If a nation values anything more than its freedom', he wrote, 'it will lose its freedom, and the irony of it is that if it is comfort and money that it values more it will lose that too'. And, secondly, freedom cannot be maintained by any state which regards it as something reserved for its own personal use. It increases as we give it to others and disappears when we try to keep it for ourselves. To discover the conditions under which it can be made secure is the greatest adventure of our time.

No one in his senses would try to give a recipe for such a task. It must be a long and often a dirty business in which men have to learn as they go. 'One should never put on one's best trousers to go out to battle for freedom and truth', said one of Ibsen's more intelligible heroes—and to-day that applies to women as well as men. The issue is certainly in doubt, but that makes the struggle even more compelling and exciting. If your predecessors have many disastrous mistakes they have left you a record of endeavour which, judged in the light of human history, is no bad inheritance. If the substantive is to have any real meaning in social democracy it will be largely due to their efforts. If a real international community comes into existence it will be permeated with their spirit. And my last word may perhaps be best expressed in a famous quotation from Lucretius which was itself derived from an older exhortation of the Greeks:

> Augescunt aliae gentes aliae minuuntur,
> Inque brevi spatio mutantur saecla animantum.
> Et quasi cursores vitai lampada tradunt.

Some nations grow greater, others less, and in a short space the communities of living things are changed and like runners hand on the torch of life.

## PROFESSOR A. J. AYER, M.A.

### The Dean of the Faculty of Arts

My Lord Chairman, Mr Provost, Ladies, and Gentlemen:

I have the privilege of proposing the vote of thanks to Sir Charles Webster for his most interesting speech. I confess that I am habitually suspicious of philosophical historians. It is a matter of professional jealousy on my part. I regard them much as a Harley Street specialist regards a bonesetter or, even worse, a psycho-analyst. But this does

not apply to Sir Charles Webster. Even within the terms of the simile, there is nothing of the psycho-analyst about him. What he is, of course, is a Whig; if I may quote Dr Johnson back at him 'he is a bottomless Whig, as they all are nowadays'. As you yourself, my Lord Chairman, so rightly said, he is an historian who not only studies but makes history. Though he comes from a very cloistered college, indeed the most cloistered college of them all, King's College, Cambridge, he has plunged into the hurly-burly of life in the London School of Economics as if he were born to it, with great benefit to us all. I shall not dilate upon his views on social progress, as he has expounded them in his speech. I should not have the impertinence to do so. If I may summarize them in a sentence, it seems to me that what he said is 'You have got yourselves a social revolution, you are in a welfare state, and you are bound to make the best of it'. My own sympathies are with him: I approve of the welfare state. Some of you may not; but it does not much matter one way or the other. As Carlyle said of the woman who decided that she would accept the universe, 'Gad, she had better'.

## MR J. T. MORRISON

THE PRESIDENT OF THE UNIVERSITY COLLEGE LONDON UNION

My Lord Chairman, Mr Provost, Ladies, and Gentlemen:

Every year the President of the Union has the honour of being allowed to second the vote of thanks to our guest speaker at this great academic festival. To-day this honour falls on me and I am deeply conscious of it. After such a brilliant speech I feel anything I say may sound trite!

I have not had the pleasure of meeting Sir Charles Webster before to-day, but I have made a few discreet inquiries about him and no one to whom I spoke could speak highly enough of his charming manner. To-day we have all realized how true this is. It was said recently by a senior student of this College that after he had graduated there is one lecturer he would always try to hear, however inconvenient it might be. That lecturer was, of course, Sir Charles Webster.

This, I feel, coming from a student—and students are notoriously critical of their lecturers—is praise indeed. Though I am engineer, I shall, if possible, attend some of Professor Webster's lectures in the future, not only to learn history but also the art of oratory, of which he is a master. I hope he will not mind the presence of a scientist in his lecture theatre!

I beg your permission, Sir Charles, to diverge for a moment to add a more solemn note. This is the last formal occasion at which Dr Pye will be our Provost. On behalf of the Union I should like to express our thanks for all he has done during the difficult years of his office. He has been responsible for the reintroduction of many traditions which give this College so much character and which were in danger of being lost due to the scattering of the College during the war.

We of the Union really do appreciate all you have done, Sir, and hope you will often return to our various functions in an informal capacity and have a very happy retirement.

Lastly, to return to the main point of my speech, it gives me great pleasure to second formally the vote of thanks to Sir Charles Webster.

# *List of Original Papers and other Publications from the various Departments of the College, 1 October 1950 to 30 September 1951*

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### [Professor J. Černý]

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### [Professor B. Woledge]

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[Dr S. Stein]

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[Professor J. E. Neale]

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## PHARMACOLOGY

### [Professor F. R. Winton]

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DICKER, S. E.

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(with H. Herxheimer) Responses of isolated human bronchial chains. *J. Physiol.*, 113 (1950), 26 P.

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MONGAR, J. L., SCHILD, H. O.

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## PHYSIOLOGY

### [Professor G. L. Brown]

ABERCROMBIE, M., HARKNESS, R. D.

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FATT, P., KATZ, B.
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Changes in amino acids in liver and blood after partial hepatectomy in normal and adrenalectomized rats. *Ibid.*, 113 (1951), 27 P.

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HUTTER, O. F.

Effect of denervation on development of local tetanus. *Ibid.*, 112 (1950), 1 P.
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SCHWEITZER, A.

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## PHYSIOLOGY: BIOPHYSICS RESEARCH UNIT

### [Professor A. V. Hill]

ABBOTT, B. C.

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ABBOTT, B. C., AUBERT, X. M., HILL, A. V.

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ABBOTT, B. C., COPELAND, K., DOWNING, A. C.

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ABBOTT, B. C., RITCHIE, J. M.

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(with M. Maizels) The permeability of human erythrocytes to sodium. *J. Physiol.*, 113 (1951), 506.
(with G. Causey) The uptake and loss of phosphate by frog muscle. *Biochem. J.*, 49 (1951), 176.

HILL, A. V.

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The earliest manifestation of the mechanical response of striated muscle. *Ibid.*, 138 (1951), 339–48.
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KATZ, B.

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Action potentials from a sensory nerve ending. *J. Physiol.*, 111 (1950), 248–60.
Depolarization of sensory terminals and the initiation of impulses in the muscle spindle. *Ibid.*, 111 (1950), 261–82.
The properties of the nerve membrane and its relation to the conduction of impulses. *Sympos. Soc. Exp. Biol.*, 5 (1951).

APPENDIX VII

## *Honorary Fellows of University College London*

The year of conferment of the title is given in brackets

COHEN, Sir Robert Waley, K.B.E., M.A., Vice-Chairman of the University College Committee; Chairman of the Managing Sub-Committee, University College London, and of the Ramsay Memorial Fellowships Trustees. [1950]

DALE, Sir Henry Hallett, O.M., G.B.E., M.A., M.D., F.R.C.P., F.R.S., Chairman of the Wellcome Trust; formerly President of the Royal Society. [1948]

HILL, Archibald Vivian, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S., Professor of Physiology (Biophysics Research Unit), University College London, and Foulerton Research Professor of the Royal Society. [1948]

JENKINSON, Sir Hilary, C.B.E., M.A., F.S.A., Deputy Keeper of Public Records and Keeper of the Land Revenue Records. [1950]

KENNET OF THE DENE, The Rt Hon. Lord, P.C., G.B.E., D.S.O., D.S.C., M.A., D.C.L. [1932]

PYE, David Randall, C.B., M.A., SC.D., F.R.S., Provost of University College London. [1946]

WATSON, David Meredith Seares, D.SC., LL.D., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy, University College London. [1948]

APPENDIX VIII

## *Fellows of University College London*

The year of election to Fellowship is given in brackets. * Denotes a former pupil of University College School. A complete list of the Fellows of the College, from 1843 to 1930, is published in the Calendar for 1931–32, pp. lxvii–lxxxi.

ANDRADE, Edward Neville da Costa, LL.D., D.SC., PH.D., F.R.S., Director in the Royal Institution, Resident Professor and Director of the Davy Faraday Research Laboratory; Professor Emeritus and formerly Quain Professor of Physics, University College London; sometime Professor of Physics, Artillery College, Woolwich. [1916]

ANREP, Gleb, M.A., D.SC., M.D., F.R.S., Professor of Physiology, University of Cairo; sometime Senior Assistant, Department of Physiology, University College London, and Lecturer in Physiology, University of Cambridge. [1928]

ARBER, Agnes (*née* Robertson), M.A., D.SC., F.L.S., F.R.S., formerly Lecturer in Botany, University College London. [1906]

BARLOW, Harold Everard Monteagle, B.SC.(ENG.), PH.D., M.I.E.E., A.M.I.MECH.E., Pender Professor of Electrical Engineering, University College London. [1946]

BARRINGTON, Frederick James Fitzmaurice, M.S., F.R.C.S., Consulting Surgeon, University College Hospital. [1920]

BASSETT, Henry, D.SC., PH.D., D.-ÈS-SC., F.R.I.C., Mineralogist Chemist, Geological Survey, Dodoma, Tanganyika; Professor Emeritus of Chemistry, University of Reading; formerly Director of Research and Development, Peter Spence & Sons Ltd, Widnes, Lancs. [1912]*

BATHO, Edith Clara, M.A., D.LIT., Principal, Royal Holloway College, University of London; formerly Reader in English Literature, University College London; sometime Quain Student and Senior Lecturer in English. [1934]

BAYNES, Norman Hepburn, M.A., D.LITT., LITT.D., D.D., F.B.A., F.S.A., Professor Emeritus of Byzantine History, University College London; formerly Reader in History of the Roman Empire and Director of the Evening School of History. [1936]

BELLOT, Hugh Hale, M.A., Commonwealth Fund Professor of American History, University College London, and Historian of the College; Vice-Chancellor of the University of London; formerly Reader in Modern History, Victoria University of Manchester. [1932]

BESANT, Arthur Digby, B.A., PAST PRES. I.A., formerly General Manager and Actuary, Clerical, Medical and General Life Assurance Society, and Treasurer of University College London. [1924]

BHATNAGAR, Sir Shanti Swarupta, O.B.E., D.SC., F.R.S., Secretary to the Government of India, Ministry of Natural Resources and Scientific Research, and Director of Scientific and Industrial Research. [1946]

BLACKMAN, Elsie (*née* Chick), M.A., formerly Senior Lecturer in English, University College London; sometime Quain Student in English. [1918]

BRENCHLEY, Winifred Elsie, O.B.E., D.SC., F.L.S., formerly Head of Botanical Department, Rothamsted Experimental Station. [1914]

BRODIE, Chief Rabbi Israel, B.A., B.LITT., Chief Rabbi of the United Hebrew Congregations of the British Commonwealth and Empire. [1950]

CARTER, James Thornton, F.Z.S., formerly Honorary Research Assistant in Histology, University College London. [1926]

CHANNON, Harold John, C.M.G., D.SC., Research Director, Technical Division, Unilever Ltd; formerly Professor of Biochemistry, University of Liverpool, and Biochemist in the Department of Experimental Pathology and Cancer Research, University of Leeds. [1932]

CHAPMAN, Hugh Wallis, B.SC. [1906]

CHENG, Tien-Hsi, LL.D., formerly Chinese Ambassador to Great Britain and Member of the Permanent Court of International Justice, The Hague. [1938]

CHICK, Dame Harriette, D.B.E., D.SC., Member of Scientific Staff, Lister Institute. [1918]

CHUBB, Gilbert Charles, M.B., B.S., D.SC., F.R.C.S., Consulting Surgeon, Ear, Nose and Throat Department, Westminster Hospital, and Throat Hospital, Golden Square; formerly Assistant Professor of Zoology, University College London. [1908]

CLARKE, Hans Thacher, D.SC., Professor of Biochemistry, Columbia University. [1916]

COLLINSON, William Edward, M.A., PH.D., Professor of German, University of Liverpool. [1916]

COOK, James Wilfred, PH.D., D.SC., F.R.S., Regius Professor of Chemistry, University of Glasgow. [1950]

COWELL, Major-General Sir Ernest Marshall, K.B.E., C.B., D.S.O., T.D., D.L., M.D., F.R.C.S., Honorary Colonel, Territorial Army; formerly Honorary Surgeon to H.M. the King, Principal Medical Officer, Control Commission for Germany,

and Director of Medical Services, Allied Forces, N. Africa; sometime Resident Medical Officer, University College Hospital. [1918]

CRIPPS, The Rt Hon. Sir Richard Stafford, P.C., C.H., K.C., LL.D., D.C.L., F.R.S., formerly Chancellor of the Exchequer and Minister for Economic Affairs, President of the Board of Trade, Minister of Aircraft Production, Lord Privy Seal, British Ambassador to U.S.S.R., Solicitor-General, and Lord Rector of the University of Aberdeen. [1930]

DONKIN, Sydney Bryan, M.INST.C.E., M.I.MECH.E., M.I.E.E., M.CONS.E., Senior Partner, Messrs Kennedy & Donkin, Consulting Engineers; Past President, Institution of Civil Engineers. [1946]

DONNAN, Frederick George, C.B.E., M.A., LL.D., PH.D., D.SC., F.R.S., Professor Emeritus of Chemistry, University College London; formerly Director of the Chemical Laboratories, University College London; sometime Professor of Physical Chemistry, University of Liverpool. [1936]

DUKE-ELDER, Sir Stewart, K.C.V.O., M.A., D.SC., PH.D., LL.D., M.D., F.R.C.S., F.A.C.S., Surgeon Oculist to H.M. the King, Director of Research, Institute of Ophthalmology, University of London. [1948]

EGERTON, Sir Alfred Charles Glyn, M.A., D.SC., F.R.S., Professor of Chemical Technology, Imperial College of Science and Technology; Director of the Salters' Institute; formerly Secretary of the Royal Society, and Reader in Thermodynamics, University of Oxford. [1928]

EGGLETON, Marion Grace, D.SC., M.R.C.S., L.R.C.P., Senior Lecturer in Physiology, University College London. [1948]

ELDERTON, Ethel Mary, D.SC., formerly Hon. Research Associate in Statistics; sometime Reader in Social Statistics, Assistant Professor of Eugenics, and Galton Research Fellow, University College London. [1920]

EVANS, Benjamin Ifor, M.A., D.LIT., Provost-Elect of University College London, Principal of Queen Mary College, London; formerly Professor of English Language and Literature, Queen Mary College, London; sometime Professor of English, University College, Southampton, and Professor of English Literature, University of Sheffield. [1934]

EVANS, Sir Charles Arthur Lovatt, LL.D., D.SC., F.R.C.P., M.R.C.S., F.R.S., Professor Emeritus and formerly Jodrell Professor of Physiology, University College London; sometime Professor of Physiology, University of Leeds, and Professor of Physiology, St Bartholomew's Hospital, Medical College [1918]

EVANS, Joan, D.LITT., D.LIT., F.S.A., President, Royal Archaeological Institute Vice-President Society of Antiquaries; Honorary Fellow of St Hugh's College, Oxford. [1950]

FORDE, Cyril Daryll, PH.D., Professor of Anthropology, University College London. [1946]

FRASER, Elizabeth Alice, D.SC., Hon. Research Associate, Department of Zoology, University College London; formerly Reader in Zoology, University College London. [1924]

GARDHAM, Arthur John, M.B., M.S., F.R.C.S., L.R.C.P., Surgeon, University College Hospital; formerly Hunterian Professor of the Royal College of Surgeons. [1946]

GARNER, William Edward, C.B.E., D.SC., F.R.S., Leverhulme Professor of Physical Chemistry, University of Bristol; formerly Reader in Physical Chemistry, University College London. [1930]

GASKELL, Surgeon Vice-Admiral Sir Arthur, K.C.B., O.B.E., F.R.C.S., formerly Hon. Surgeon to H.M. the King, and Medical Director-General of the Navy. [1928]

GIBB, Sir Alexander, G.B.E., C.B., LL.D., F.R.S.E., F.R.S., Senior Member of the Firm of Sir Alexander Gibb & Partners, Consulting and Civil Engineers; Past President of the Institutions of Civil Engineers and Chemical Engineers. [1920]

GINSBERG, Morris, M.A., D.LIT., Martin White Professor of Sociology, London School of Economics; formerly Assistant and Lecturer in the Department of Philosophy and Psychology, University College London. [1926]

GOODEVE, Sir Charles Frederick, O.B.E., D.SC., F.R.S., Director, British Iron and Steel Research Association; formerly Reader in Chemistry, University College London. [1946]

GOODYEAR, Edith, B.SC., formerly Tutor to Women Students, University College London; sometime Senior Assistant and Hon. Lecturer, Department of Geology. [1946]

GRATTAN, John Henry Grafton, B.A., Professor Emeritus and formerly Baines Professor of English Language and Philology, University of Liverpool; sometime Reader in English and Germanic Philology, University College London. [1928] (Died on 22 October 1951)

GRAY, Sir Archibald Montague Henry, C.B.E., M.D., F.R.C.P., F.R.C.S., Consulting Physician, University College Hospital; sometime Dean of University College Hospital Medical School. [1908]

HAAS, Paul, PH.D., D.SC., formerly Reader in Plant Chemistry, University College London, and Lecturer in Physics and Chemistry, Royal Botanic Gardens, Kew. [1928]

HALL, George, C.M.G., M.D., B.SC., F.R.C.P., J.P., Consulting Physician, Royal Victoria Infirmary, Newcastle-upon-Tyne. [1912]

HARRIS, Henry Albert, M.A., M.D., D.SC., M.R.C.P., M.R.C.S., Professor of Anatomy and Fellow of St John's College, Cambridge; formerly Professor of Clinical Anatomy, University College London and University College Hospital Medical School; sometime Hunterian Professor, Royal College of Surgeons. [1932]

HARMER, Sir Sidney Frederic, K.B.E., SC.D., M.A., F.R.S., Hon. Fellow of King's College, Cambridge; formerly Director, Natural History Museum; sometime President of the Linnean Society. [1884] (Died on 22 October 1950)

HART, Bernard, C.B.E., M.D., F.R.C.P., Consulting Physician in Psychological Medicine, University College Hospital and National Hospital, Queen Square, London. [1914]

HART, Cecil Augustus, T.D., D.SC.(ENG.), PH.D., M.I.C.E., F.R.I.C.S., A.M.I.STRUCT.E., Vice-Chancellor of the Roorkee University of Engineering and Applied Science; formerly Professor of Surveying and Photogrammetry, University College London. [1948]

HAWKSLEY, John Callis, C.B.E., M.D., PH.D., F.R.C.P., M.R.C.S., Dean of University College Hospital Medical School; Physician, University College Hospital and St Peter's Hospital for Stone. [1946]

HEATH, Philip Maynard, M.B., M.S., F.R.C.S., Consulting Surgeon, Metropolitan and Gordon Hospitals and Evelina Hospital for Sick Children; formerly Surgical Registrar, University College Hospital. [1908]

HERON, David, M.A., D.SC., Treasurer of University College London and Chairman of the Finance Sub-Committee; Past President, Royal Statistical Society; formerly Assistant Director, Galton Laboratory, University College London [1918]

HEYROVSKÝ, Jaroslav, PH.D., D.SC., Professor of Physical Chemistry, Charles University of Prague; Director of the Central Institute of Polarography, Prague. [1926]

HILL, Elizabeth Mary, B.A., PH.D., Professor of Slavonic Studies in the University of Cambridge; formerly Chief Slavonic Specialist, Ministry of Information. [1946]

HILL, Geoffrey Terence Roland, M.C., M.SC.(ENG.), M.I.MECH.E., F.R.AE.S., Inventor of Pterodactyl Aeroplane; formerly Kennedy Professor of Mechanical Engineering, University College London. [1930]

HILL, Sir Leonard Erskine, LL.D., M.B., M.R.C.S., F.R.S., formerly Director of Department of Applied Physiology, National Institute of Medical Research, Mount Vernon, Hampstead. [1924]

HILL, Sir Roderic Maxwell, K.C.B., M.C., A.F.C., M.A., Rector, Imperial College of Science and Technology, London; Air Chief Marshal, R.A.F. (retired). [1924]

HILTON, Elfrida Lilian Gwendolen (*née* Hill), B.SC., M.B., B.S., D.M.R.E., F.F.R., Director, Radiotherapy Department, University College Hospital. [1946]

HIMSWORTH, Harold Percival, M.D., F.R.C.P., Secretary of the Medical Research Council; formerly Professor of Medicine and Director of the Medical Unit, University College Hospital Medical School. [1936]

HORTON, Robert Lister, M.B., M.S., F.R.C.S., L.R.C.P., formerly House Surgeon, House Physician and Surgical Registrar, University College Hospital. [1924]

INCE, Sir Godfrey Herbert, G.C.B., K.B.E., B.SC., Permanent Secretary, Ministry of Labour and National Service. [1946]

JAMES, Rev. Edwin Oliver, M.A., D.LITT., PH.D., D.D., F.S.A., Professor of History and Philosophy of Religion, University of London; formerly Professor of History and Philosophy of Religion, University of Leeds. [1946]*

JEAFFRESON, John Walter, M.A., formerly Senior Lecturer in French, University College London. [1928]

JEFFERY, George Barker, M.A., D.SC., F.R.S., Director, Institute of Education, University of London; formerly Astor Professor of Mathematics, University College London; sometime Reader in Applied Mathematics, University College London, and Professor of Mathematics, King's College, London. [1916]

JOHN, Augustus Edwin, O.M., R.A., LL.D., President of the Society of Mural Painters and of the National Portrait Society. [1920]

KARUNARATNE, William Arthur Edward, K.S.G., O.B.E., M.D., M.R.C.P., Professor of Pathology, University of Ceylon. [1948]

KEEN, Bernard Augustus, D.SC., F.R.S., Director, East African Agriculture and Forestry Research Organization; formerly Assistant Director and Head of Soil Physics Department, Rothamsted Experimental Station, and Director, Imperial Agricultural Research Institute, India. [1924]

LAYTON OF DANEHILL, The Rt Hon. Lord, C.H., C.B.E., M.A., LL.D., Fellow of Gonville and Caius College, Cambridge; sometime Editor of the *Economist*, and Newmarch Lecturer, University College London. [1912]

LEVY, Alfred Goodman, M.D., M.R.C.P., M.R.C.S., formerly Pathologist, London Temperance Hospital; Consulting Physician, City of London Hospital for Diseases of the Chest. [1926]*

LEWENZ, Marie Adèle, M.A. [1904]

LIMEBEER, Dora Emily, M.A., sometime Headmistress of Broughton High School. [1950]

LUDFORD, Reginald James, D.SC., PH.D., Hon. Lecturer in Cytology, University College London; Director of Research, Mount Vernon Hospital and the Radium Institute; formerly Foulerton Medical Research Student, Royal Society; Past President, Royal Microscopical Society. [1936]

MACGREGOR-MORRIS, John Turner, D.SC.(ENG.), M.I.E.E., Professor Emeritus of Electrical Engineering, Queen Mary College; Hon. Research Associate, University College London. [1932]

MACNALTY, Sir Arthur Salusbury, K.C.B., M.A., M.D., D.P.H., F.R.C.P., F.R.C.S., Hon. Physician to H.M. the King; Editor-in-Chief for Official Medical History of the 1939–45 War; formerly Chief Medical Officer, Ministry of Education and Ministry of Health. [1936]

MALLETT, Edward, D.SC.(ENG.), M.INST.C.E., M.I.E.E., F.INST.P., Principal of the Woolwich Polytechnic Institute; formerly Reader in Electrical Engineering, City and Guilds (Engineering) College, London. [1934] (Died on 10 December 1950)

MARRIAN, Guy Frederic, D.SC., F.R.I.C., F.R.S., Professor of Chemistry in Relation to Medicine, University of Edinburgh; formerly Professor of Biochemistry, University of Toronto. [1946]

MARTIN, Edward Kenneth, M.B., M.S., F.R.C.S., Consulting Surgeon, University College Hospital; formerly Demonstrator in Anatomy, University College London. [1918]

MARTIN, Philippa Parry (*née* Pughe), M.S., F.R.C.S., Surgeon, Western Ophthalmic Hospital; formerly Hunterian Professor, Royal College of Surgeons. [1948]

MASSON, Sir [James] Irvine [Orme], M.B.E., D.SC., LL.D., F.R.S.; Vice-Chancellor, University of Sheffield; formerly Professor of Chemistry and Head of the Science Department, University of Durham; sometime Reader in Inorganic Chemistry, University College London. [1924]

MEES, Charles Edward Kenneth, D.SC., F.R.S., Vice-President and Director in Charge of Research, Eastman Kodak Company, Rochester, New York, U.S.A. [1950]

METCALFE, Edward Parr, D.SC., Principal, Central College, Bangalore, and University Professor of Physics, University of Mysore, India. [1922] (Died on 29 March 1951)

MICKLEM, Nathaniel, K.C., M.A., LL.B., B.C.L., sometime Treasurer of Lincoln's Inn. SENIOR FELLOW. [1882]

MOUNT-EDGCUMBE, The Rt Hon. the Earl of, T.D., M.INST.C.E., M.I.E.E., Past President and Hon. Member of the Institution of Electrical Engineers. [1930]

MURRAY, Margaret Alice, D.LIT., F.S.A.(SCOT.), F.R.A.I., formerly Assistant Professor of Egyptology, University College London. [1922]

NABARRO, David Nunes, M.D., B.SC., D.P.H., F.R.C.P., Consulting Pathologist, and formerly Director of the Pathological Department, Great Ormond Street Children's Hospital; sometime Assistant Professor of Pathology, University College Hospital Medical School. [1900]

NEALE, John Ernest, M.A., D.LITT., F.B.A., Astor Professor of English History, University College London; formerly Professor of Modern History, Victoria University of Manchester. [1932]

NICHOLLS, Major-General Leslie Burtonshaw, C.B., C.B.E., M.I.E.E., Chairman of Cable & Wireless Ltd; formerly Chief Signals Officer at Supreme Headquarters, Allied Expeditionary Force. [1948]

NORMAN, Frederick, O.B.E., M.A., F.S.A., Professor of German, King's College, London; formerly Reader in German, University and King's Colleges, London. [1936]

OAKLEY, Cyril Leslie, M.D., Head of the Department of Immunological and Experimental Pathology, Wellcome Research Laboratories, Beckenham, Kent. [1950]

O'DONOGHUE, Charles Henry, D.SC., F.Z.S., F.R.S.E., Professor of Zoology, University of Reading; formerly Reader in Zoology, University of Edinburgh, and Professor of Zoology, University of Manitoba; sometime Senior Assistant in Zoology and Comparative Anatomy, University College London. [1914]

OFFOR, Richard, B.A., PH.D., Emeritus Librarian of the University of Leeds; Library Adviser to Inter-University Council for Higher Education in the Colonies. [1946]

OLIVER, Francis Wall, M.A., LL.D., D.SC., F.R.S., Professor Emeritus of Botany, University College London; Quain Lecturer, 1888–90; Quain Professor of Botany, University College London, 1890–1929; Professor of Botany, Fouad I University, Cairo, 1929–35. [1886] (Died on 14 September 1951)

PAGE, Harold James, C.M.G., O.B.E., M.B.E.(MIL.), B.SC., F.R.I.C., J.P., Principal, Imperial College of Tropical Agriculture, Trinidad; formerly Director of the Rubber Research Institute of Malaya; sometime Controller of Agricultural Research, Imperial Chemical Industries Ltd, and Chief Chemist, Rothamsted Experimental Station. [1934]

PARIS, Edward Talbot, C.B., D.SC., Chief Scientific Adviser, Home Office. [1918]

PARKES, Alan Sterling, M.A., D.SC., SC.D., PH.D., F.R.S., Member of Staff, National Institute for Medical Research; formerly Foulerton Student of the Royal Society; sometime Honorary Lecturer in Physiology, University College London. [1934]

PARSONS, Sir John Herbert, C.B.E., LL.D., D.SC., M.B., B.S., F.R.C.S., F.R.S., Consulting Ophthalmic Surgeon to University College Hospital, and to the Royal London Ophthalmic Hospital; sometime Lecturer in Physiological Optics, University College London; Past President, Royal Society of Medicine. [1910]

PAUL, Agnes Stoddart, M.A., B.D., Fellow and formerly Tutor to Women Students of King's College, London. [1902]

PEARSON, Egon Sharpe, C.B.E., M.A., D.SC., Professor of Statistics, University College London. [1932]

PENSON, Dame Lillian Margery, D.B.E., D.LIT., LL.D., PH.D., Professor of Modern History, Bedford College, London; Vice-Chancellor of the University of London. [1950]

PILCHER, Robin Sturtevant, M.S., F.R.C.S., M.R.C.P., Professor of Surgery and Director of Surgical Unit, University College Hospital. [1946]

PLIMMER, Robert Henry Aders, D.SC., Professor Emeritus of Chemistry, St Thomas's Hospital Medical School, and Lecturer, Postgraduate Medical

School; sometime Reader in Physiological Chemistry, University College London, and Biochemist, Rowett Research Institute, Aberdeen. [1906]

PLUCKNETT, Theodore Frank Thomas, M.A., LL.B., F.B.A., Professor of Legal History, London School of Economics. [1950]

QUARTERMAINE, Allan Stephen, C.B.E., M.C., B.SC.(ENG.), M.INST.C.E., Chief Engineer, British Railways (Western Region); Vice-President, Institution of Civil Engineers. [1938]

RANDALL, Sir Alec Walter George, K.C.M.G., C.B.E., B.A., H.M. Ambassador to Denmark. [1948]

RANKINE, Alexander Oliver, O.B.E., D.SC., F.R.S., Secretary of the Royal Institution; Professor Emeritus of Physics, Imperial College of Science and Technology; formerly Chief Physicist, Anglo-Iranian Oil Company; sometime Assistant in Physics, University College London. [1912]

REID, Rachel Robertson, M.A., D.LIT., F.R.HIST.S., formerly District Inspector, L.C.C. Education Committee; sometime Senior Assistant in History, University College London, and Director of Studies in History, Girton College, Cambridge. [1912]

RENIER, Gustaaf Johannes, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions, University College London. [1948]

RICHARDSON, Archibald Read, D.S.O., B.SC., F.R.S., Professor Emeritus and formerly Professor of Mathematics, University College, Swansea; sometime Assistant Professor of Mathematics, Imperial College of Science and Technology. [1932]

RIDING, Alice Laura Stuart, M.A. [1888]

RUSS, Sidney, C.B.E., D.SC., Professor Emeritus of Physics, Middlesex Hospital Medical School; formerly Scientific Secretary of the National Radium Commission. [1916]

SALISBURY, Sir Edward James, C.B.E., LL.D., D.SC., F.R.S., Director of the Royal Botanic Gardens, Kew; Vice-President and Biological Secretary of the Royal Society; formerly Quain Professor of Botany, University College London; sometime Reader in Plant Ecology, University College London. [1916]

SANSOM, George Samuel, D.F.C., M.C., D.SC., formerly Hon. Research Assistant in Embryology, University College London. [1930]

SINGER, Charles, M.A., M.D., D.LITT., F.S.A., Professor Emeritus of the History of Medicine, University College London. [1950]

SMILES, Samuel, O.B.E., D.SC., F.R.S., Professor Emeritus of Chemistry, King's College, London; sometime Assistant Professor of Chemistry, University College London; formerly Professor of Organic Chemistry, Armstrong College, Newcastle-upon-Tyne. [1904]

STANSGATE, The Rt Hon. The Viscount, P.C., D.S.O., D.F.C., B.A., formerly Secretary of State for Air, and Secretary of State for India. [1918]

STOPES, Marie Carmichael, D.SC., PH.D., F.L.S., F.G.S., F.R.S.L., formerly Lecturer in Palaeobotany, Victoria University of Manchester; sometime Lecturer in Palaeobotany, University College London. [1910]

STRANG, Sir William, G.C.M.G., K.C.B., M.B.E., B.A., Permanent Under Secretary of State for Foreign Affairs. [1946]

TANSLEY, Sir Arthur George, M.A., F.R.S., President, Council for the Promotion of Field Studies; Chairman, The Nature Conservancy; Honorary Fellow of

Trinity College, Cambridge; Sherardian Professor Emeritus of Botany, Oxford; sometime Assistant Professor of Botany, University College London. [1896]

TAYLOR, Julian, C.B.E., M.B., M.S., F.R.C.S., Surgeon, University College Hospital, and National Hospital for Nervous Diseases, Queen Square, London. [1936]

TEALE, Sir Francis Hugo, K.C.V.O., M.D., B.SC., F.R.C.P., formerly Lecturer in Bacteriology and Immuno-therapy, University College Hospital Medical School, and Hon. Officer-in-Charge, Immuno-therapy Department, University College Hospital. [1914]

TOY, Francis Carter, C.B.E., D.SC., Director, British Cotton Industry Research Association. [1936]

TRAVERS, Morris William, D.SC., F.R.S., Professor Emeritus and formerly Fellow and Nash Lecturer in Applied Physical Chemistry, University of Bristol; sometime Director of the Indian Institute of Science, Bangalore, and Assistant Professor of Chemistry, University College London. [1900]

TUCK, William Bradshaw, D.SC., formerly Professor of Chemistry, Middlesex Hospital Medical School; sometime Assistant, Department of Chemistry, University College London. [1922]

WALKER, Charles Clement, C.B.E., A.M.INST.C.E., F.R.AE.S., Chief Engineer to and Director of De Havilland Aircraft Company. [1938]

WALSHE, Francis Martin Rouse, O.B.E., D.SC., M.D., F.R.C.P., F.R.S., Consulting Physician to University College Hospital and to National Hospital for Nervous Diseases, Queen Square, London. [1922]

WATSON, Mrs J. A. (*née* Low, Constance Bruce), M.A. [1906]

WATSON, Herbert Edmeston, D.SC., F.R.I.C., M.I.CHEM.E., Ramsay Memorial Professor of Chemical Engineering, University College London; formerly Professor of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore. [1914]

WEISS, Frederick Ernest, D.SC., LL.D., F.R.S., Professor Emeritus of Botany, and formerly Vice-Chancellor, Victoria University of Manchester; Past President of the Linnean Society. [1894]

WHEELER, Robert Eric Mortimer, C.I.E., M.C., M.A., D.LIT., D.LITT., F.B.A., F.S.A., Professor of Archaeology of the Roman Provinces, Institute of Archaeology, University of London; formerly Director-General of Archaeology in India, Keeper of the London Museum, Hon. Director of the University of London Institute of Archaeology, and Lecturer in British Archaeology, University College London. [1922]

WHITE, Clifford Sidney, M.D., B.S., F.R.C.P., F.R.C.S., F.R.C.O.G., Consulting Obstetrical Surgeon, University College Hospital, Samaritan Hospital, and Metropolitan Hospital; Past President, Obstetrical and Gynaecological Section of the Royal Society of Medicine. [1938]

WHYTLAW-GRAY, Robert W., O.B.E., PH.D., D.SC., F.R.S., formerly Professor of Chemistry, University of Leeds; sometime Assistant Professor of Chemistry, University College London. [1910]

WILKS, John Alexander, M.A., F.L.A., Librarian, University College London. [1938]

WILLIAMS, Gwynne Evan Owen, M.S., F.R.C.S., Surgeon; formerly Dean of University College Hospital Medical School. [1930]

WILLOUGHBY, Leonard Ashley, M.A., D.LIT., PH.D., Professor Emeritus of German, University College London; Hon. Director of the Institute of Germanic Languages and Literatures, University of London; formerly Henry Simon Professor of German, Victoria University of Manchester. [1910]

WOOD, Arthur Charles, M.C., M.A., Assistant Keeper of the Public Records; sometime Quain Student in English, University College London. [1914]

WOODLAND, William Norton Ferrier, D.SC., late of Helminthology Department, Wellcome Research Institute; formerly Professor of Zoology at the Allahabad University; sometime Assistant Professor of Zoology, University College London. [1912]

YOUNG, Frank George, M.A., PH.D., D.SC., F.R.I.C., F.R.S., Sir William Dunn Professor of Biochemistry, University of Cambridge; formerly Professor of Biochemistry, University College London; sometime Sharpey Scholar, University College London. [1946]

YULE, George Udny, C.B.E., M.A., F.R.S., sometime Newmarch Lecturer in Statistics; Past President of the Royal Statistical Society; formerly Assistant Professor of Applied Mathematics, and University Lecturer and Reader in Statistics, University of Cambridge. [1926] (Died on 26 June 1951)

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